



ascolite



STRUCTURAL REPAIRS, SEALANTS & GROUTS

PRODUCT BROCHURE

RESTORING
STRENGTH,
**RENEWING
TRUST**



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OUR GROUP



Ascon Group of Developers

The Ascon Group of Developers is a prestigious business group based in Surat, Gujarat, with a rich legacy of over 40 years of excellence. Renowned for its leadership across multiple sectors, the group's diversified expertise spans across construction, manufacturing and trading, positioning it as a powerhouse in key industries. Ascon's unwavering commitment to innovation, quality & sustainability has solidified its reputation as a driving force in both regional and national markets.



Ascon Realty

Since 1995



Ascolite

Since 2012

ABOUT ASCOLITE



We are at the forefront of revolutionizing the industry with our cutting-edge construction material solutions. For over a decade, with multi-location manufacturing facilities and sales branches across multiple states, we have been the trusted partner for builders, engineers, architects and PMC.

From walling solutions, waterproofing systems, and tile/stone installation solutions to construction chemicals and more, our products set new benchmarks in performance and reliability. At Ascolite, we're not just building structures; we're building a legacy of excellence and sustainability in construction chemistry.

CORE IDEOLOGY



Core Purpose

To encourage and ensure a paradigm shift in delivering trendsetting experiences.

Mission Statement

To deliver contemporary construction solutions backed by expertise, based on novel market needs.

Core Values

- Quest to learn
- Integrity
- Energetic
- Eye for detail
- Making a difference

PRODUCT RANGE

We blend innovation with expertise to deliver superior solutions. Our advanced facility is designed to meet the diverse needs of our customers, ensuring precision, efficiency, and quality in every product. With a commitment to excellence and sustainability, we strive to set new standards in the industry.



WALLING SOLUTIONS



WATERPROOFING SYSTEMS



TILE & STONE INSTALLATION



STRUCTURAL REPAIRS, SEALANTS & GROUTS



PROTECTIVE COATINGS

CUSTOMERS



Residential



Commercial



Institutions



Industrial



Govt. Undertakings



450+
Distributors



4000+
Retail Partners



3500+
Projects



300+
Developers



2000+
Influencers

ASCOLITE ADVANTAGE



Production Capacity

4.25 L m³ (P.A.)
AAC Fly Ash Blocks
4 L ton (P.A.)
Construction Chemicals



State of the art R&D Lab

40,000+
Yearly R&D hours



Quality Certified Products

1500+
Product quality tests



Innovative Product Range

100+
Cutting-edge products



Technical Assistance

5500+
Training hours



Logistic Support

20,000+
Yearly dispatches

INTRODUCTION TO STRUCTURAL REPAIR SYSTEMS

Concrete structures are constantly subjected to environmental exposure, ageing, loading stresses, poor workmanship & aggressive service conditions. Over time, these factors lead to progressive deterioration, compromising safety, durability & asset value. Ascolite Structural Repair Systems are designed to arrest deterioration, restore structural performance & significantly extend the service life of buildings and infrastructure.



Crack Repair & Sealing

Underlying Problems

- Cracking • Shrinkage • Movement • Ingress • Seepage • Leakage

Our Recommended Solutions

Ascofill & Ascofill ES are used to seal & treat surface cracks in concrete, masonry, plaster & blockwork, preventing ingress of water & aggressive agents while stabilising substrates prior to further repair or protection.



Internal & External Crack Sealing

Underlying Problems

- Leakage • Seepage • Voids • Porosity • Weakening

Our Recommended Solutions

AscogROUT EP-LV & AscogROUT PU are injected into cracks & voids to seal water pathways, restore internal continuity & strengthen concrete where surface treatments are ineffective.



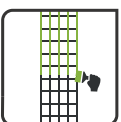
Joint Sealing

Underlying Problems

- Movement • Expansion / Contraction • Leakage • Ingress • Deterioration

Our Recommended Solutions

Ascoseal PU, Ascoseal PS, used in combination with **Ascoprime PS**, provide flexible joint sealing that accommodates movement while preventing leakage, ingress & long-term joint deterioration.



Corrosion Protection

Underlying Problems

- Corrosion • Oxidation • Expansion • Spalling • Deterioration

Our Recommended Solutions

Ascoprime Rustcon & Ascoprime Zincguard are applied to embedded & exposed reinforcement to inhibit corrosion, reduce steel oxidation & improve compatibility with subsequent repair mortars.



Old-to-New Concrete Bonding

Underlying Problems

- Cold-Joints • Debonding • Delamination • Cracking • Failure

Our Recommended Solutions

Ascobond Latex, Ascobond 450, Ascobond AR & Ascobond EP are used to enhance adhesion between old & new concrete, ensuring monolithic action & improved durability of repairs, overlays, and screeds.



Structural Grouting

Underlying Problems

- Shrinkage-Voids • Honeycombing • Poor Anchorage • Load Deficiency • Durability Loss

Our Recommended Solutions

Ascogrout Non-shrink grouts, **Ascogrout EP 100 & Ascogrout PR** are used to fill voids beneath base plates and structural elements, ensuring effective load transfer, anchorage integrity & long-term stability.



Concrete Repair & Restoration

Underlying Problems

- Deterioration • Spalling • Section Loss • Corrosion • Structural Weakness

Our Recommended Solutions

Ascorepair Mortars, Ascoplug, Ascopoxy Putty & Ascocrete MC 60 are used to rebuild damaged concrete sections, restore structural capacity & deliver durable repairs in vertical, overhead & flowable applications.



Floor Strengthening

Underlying Problems

- Abrasion • Cracking • Delamination • Dusting • Surface Wear • Reduced Floor Life

Our Recommended Solutions

Ascotop FH 111 & Ascotop MFH 333 are applied to concrete floors to improve surface density, abrasion resistance & impact strength, resulting in durable, dust-free floor surfaces.

ASCOFILL™

White Cement Based Highly Polymerized
Non-Shrink Cementitious Crack Filler Powder

ASCOFILL™ is a specially formulated, high-strength, single-component, non-shrink crack-filling powder designed for repairing hairline & minor cracks on both interior & exterior surfaces. Blended with premium white cement, graded mineral fillers & performance-enhancing polymers, it provides excellent bond strength & long-lasting durability.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Crack Repair Applications:** Repair Of Cracks In Plaster, Masonry, Concrete, Stucco, Cement Rendering & Exterior Surfaces.
- **Concrete Repair & Gap Filling:** Filling Of Voids, Cracks & Spalled Areas In Concrete & Masonry Surfaces Prior To Finishing.
- **General Repair Works:** Repair Of Brickwork, Corners & Damaged Areas In Interior & Exterior Surfaces.
- **Surface Corrections:** Filling Of Small Holes, Surface Imperfections & Smaller Cracks To Achieve A Smooth, Uniform Surface Before Painting Or Coating.

PRODUCT KEY FEATURES



NON-SHRINK



EXCELLENT
ADHESION



DURABLE



FAST SETTING



IDEAL FOR
INTERIOR & EXTERIOR

TECHNICAL PROPERTIES (ASTM C 109)

Appearance	: Free Flowing Powder
Colour	: White
Bulk Density	: 1250 ± 50 Kg/m ³
Water-Powder Ratio	: 28 ± 2 % (By Weight)
Pot Life	: ≥ 30 minutes
Setting Time	: 20 ± 5 minutes
Curing	: Air Curing
Crack Width	: 3 - 5 mm
Compressive Strength @ 28 Days	: ≥ 15 N/mm ²
Paint ability	: Paintable
UV Resistance	: Yes

COVERAGE

Approx 60 Rft / Kg (up to - 5mm*5mm crack)

Coverage is estimated & may vary depending on site conditions. To establish practical consumption, we recommend testing on trial areas.

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1, 5 & 20 Kg

ASCOFILL™ ES

Multipurpose Acrylic Caulking Compound And Crack Filling Paste with Fibers

ASCOFILL™ ES is a single-component fiber reinforced acrylic caulking compound designed for interior & exterior crack filling, dent repair & wall finishing. Its special acrylic latex offers strong adhesion to plastered surfaces, enhances paint durability & delivers exceptional whiteness, flexibility & crack bridging.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Crack Repair Applications:** Repair Of Cracks In Plaster, Masonry, Concrete, Stucco, Cement Rendering & Exterior Surfaces.
- **Concrete Repair & Gap Filling:** Filling Of Voids, Cracks & Spalled Areas In Concrete & Masonry Surfaces Prior To Finishing.
- **General Repair Works:** Repair Of Brickwork, Corners & Damaged Areas In Interior & Exterior Surfaces.
- **Surface Corrections:** Filling Of Small Holes, Surface Imperfections & Smaller Cracks To Achieve A Smooth, Uniform Surface Before Painting Or Coating.
- **RCC Repairs:** Suitable For Repairing Cracks & Damaged Areas In RCC Structures.
- **Cement Sheet & Gypsum Sheet Joints:** Ideal For Filling & Sealing Joints In Cement Boards & Gypsum Sheets.
- **Caulking Applications:** Concrete, Plaster, Door & Window Frames, Internal & External Surfaces.

PRODUCT KEY FEATURES



EXCELLENT BOND
STRENGTH



NON SHRINK



WEATHER
RESISTANT



NON - SAGGING
PASTE



USER FRIENDLY

TECHNICAL PROPERTIES (ASTM C 736, ASTM D : 2202, ASTM D 2377)

Appearance	: Lump Free High Viscous Paste With Fibers
Colour	: White
Density	: 1.40 ± 0.05 Kg/ℓ
Solid Content	: 80 ± 5 %
Touch Dry Time	: 55 ± 5 minutes
Full Dry Time	: 24 hours
Crack Width	: up to 5 mm
Elongation	: ≥ 50 %
Movement Accommodation Factor	: 12 ± 2 %
Shrinkage	: Low shrinkage
Shore A Hardness	: 70 - 75

COVERAGE

25-30 Rmt / Kg for Hairline cracks.

12-15 Rmt / Kg for 2-3 mm cracks.

8-10 Rmt / Kg for 2-5 mm cracks.

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 & 5 Kg

ASCOGROUT® EP - LV

2 Part, Solvent free, Low Viscous Non - Shrink Epoxy Injection Grout For Deep Crack Repair

ASCOGROUT® EP - LV is a low-viscosity, solvent-free epoxy injection grout for sealing fine cracks in concrete. It penetrates deeply to form a rigid, high-strength mass within the crack. With a sufficiently low viscosity (200-300 cps), it ensures easy injection into cracks & voids. Suitable for gravity-feed & pressure injection applications. Ideal for structural strengthening & waterproofing of RCC elements.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Structural Crack Injection & Moisture-Insensitive Repairs:** Low-Viscosity Epoxy For Deep Penetration Into Fine Cracks, Effective Even On Damp Substrates & Ensuring Strong Structural Bonding.
- **Infrastructure & Heavy Structural Rehabilitation:** Dams, Tunnels, Retaining Structures, Ports & Power Plants, Restores Strength In High-Load & Critical Concrete Elements.
- **Concrete Rebuilding & Damage Restoration:** Bridges, Flyovers, Tunnel Linings & Culverts, Rehabilitates Deteriorated & Delaminated Or Fractured Concrete, Honey Combing.
- **Water Leakage Control & Seepage Repair:** Basements, Retaining Walls, Lift Pits & Water Channels, Injection Sealing To Arrest Leakage & Bind Cracked Concrete.
- **Precision Grouting & Stabilization:** Filling Voids, Micro-Voids & Non-Visible Internal Defects & Structural Consolidation Of Weakened Concrete Sections.

PRODUCT KEY FEATURES



**ULTRA
LOW VISCOSITY**



**DEEP
PENETRATION**



**PREVENTS WATER
INGRESS**



**SHRINKAGE
FREE HARDENING**



SOLVENT FREE

TECHNICAL PROPERTIES (ASTM C 109, ASTM D 638, ASTM D 790, ASTM C 882)

Appearance	: Part A : Resin Part B : Hardener
Colour	: Part A (Clear) Part B (Pale Yellow)
Mixing Ratio	: Part A (Resin) : Part B (Hardener) - 2 : 1
Fresh Wet Density	: 1070 ± 50 Kg/m ³
Viscosity (Brookfield LV Model)	: 250 ± 50 cps
Pot Life	: 60 ± 5 minutes
Cracks & Voids Width Range	: Up To 15 mm
Setting Time	: 6 - 8 hours (Initial)
Pull-Off Bond Strength	: ≥ 3 N/mm ² (Concrete Failure)
Compressive Strength @ 7 Days	: 70 ± 5 N/mm ²
Tensile Strength @ 7 Days	: 18 ± 2 N/mm ²

YIELD

1.35 - 1.45 ℓ / 1.5 Kg kit (approx.)

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1.5 & 6 Kg Kit

ASCOGROUT® PU

2 Component PU Injection System for Active Leakage & Sealing

ASCOGROUT® PU is a fast-reacting polyurethane injection grout for sealing active water leaks. Expands to form a flexible, water-resistant grout that seals cracks & voids. Suitable for negative-side injection & hydrostatic pressure conditions. Used for waterproofing tunnels, basements, RCC structures & leaking gaps.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Active Water Leakage Sealing:** Injection Into Leaking Cracks, Joints & Porous Zones, Stops Running Or Pressurized Water Ingress Instantly.
- **Negative-Side Waterproofing:** Injection In Basements, Retaining Walls & Underground Structures, Forms A Flexible, Water-Resistant Gel To Resist Hydrostatic Pressure.
- **Gap Filling & Void Sealing:** Filling Voids, Cavities & Long Pathways In RCC & Masonry, Expands To Seal Inaccessible Internal Gaps.
- **Waterproof Sealing:** Combined Injection For Crack Sealing & Enhances Durability While Providing Watertight Sealing.

PRODUCT KEY FEATURES



EXPANDS & SEALS CRACKS



DEEP PENETRATION



RAPID REACTION



STRONG ADHESION



DURABLE

TECHNICAL PROPERTIES (ASTM D 3800-79; ASTM C 882)

Appearance	: Free-Flowing Viscous Liquid
Colour	: Light Brown
Mixing Ratio	: Part A (PU Resin) : Part B (Catalyst) - 91 : 9
PU Resin : Catalyst	: 2 – 5 % (As Per Cream / Gel Time Requirement)
Density	: 1150 ± 50 Kg/m ³
Viscosity (Brookfield LV Model)	: 350 ± 50 cps
Cream Time	: 12 - 15 seconds
Gel Time	: 35 - 60 seconds
Foam Expansion	: 2100 ± 100 %
Elongation at Break	: 15 ± 5 %
Pull-Off Bond Strength	: ≥ 2 N/mm ²

YIELD

4 - 5 ℓ / 5.5 Kg kit

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



5.5 Kg

ASCOPRIME® PS

Single Part Primer for Polysulphide/ Polyurethane Sealant

ASCOPRIME® PS is a high-performance primer that enhances adhesion on porous & non-porous substrates. Essential for improving bond strength of PU & polysulphide sealants. Suitable for concrete, stone, vitrified tiles & marine or industrial structures. Ensures long-lasting sealing performance in demanding environments.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Primer Application For PU & Polysulphide Sealants:** Enhances Adhesion Of PU & Polysulphide Sealants, Suitable For Porous & Non-Porous Substrates.
- **Building & Structural Expansion Joints:** Primer For Expansion & Construction Joints In Rcc Structures, Perimeter & Movement Joints In Buildings.
- **Industrial Flooring Joints:** Primer For Warehouse, Cold-Storage & Factory Floor Joints, Expansion Joints Exposed To Traffic & Vibration.
- **Metal & Masonry Surfaces:** Primer For MS, GI, Stone & Masonry Before Sealant Application, Ensures Strong Bonding On Difficult Or Smooth Substrates.
- **Water-Retaining Structure Joints (Dry Surface Priming):** Priming Of Expansion & Construction Joints In Tanks, Reservoirs, STPs & Water Channels, Applied On Dry Surfaces To Ensure Strong Adhesion Of PU Or Polysulphide Sealants In Water-Holding Structures.

PRODUCT KEY FEATURES



EXCELLENT ADHESION



FAST DRYING



COMPATIBLE WITH OLD COATINGS



MOISTURE & CHEMICAL RESISTANT



FLASH RUST TOLERANT

TECHNICAL PROPERTIES (ASTM D 4541, ASTM D 7234)

Appearance	: Clear Liquid
Colour	: Transparent
Density	: 0.810 ± 0.05 g/cc
Viscosity	: ~10 sec
Solid Content	: 4 %
Drying Time	: 25 ± 10 minutes (Depending On Substrate)
Sealant Application Time After Primer	: 45 ± 10 minutes
Number of Coats	: 2 coats
Pull-Off Adhesion Strength	: 1 N/mm ²
Flash Point	: > 25°C

COVERAGE

Porus Substrate: 45 - 50 ft²/ ℓ/ coat

Non-porus Substrate: 75 - 80 ft²/ ℓ/ coat

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 ℓ

ASCOSEAL® PS

High Performance, Two Part Elastomeric Polysulphide Joint Sealant

ASCOSEAL® PS is a two-component polysulphide resin-based elastomeric joint sealant, available in pour grade (PG) & gun grade (GG). It is specifically designed to be used as a watertight seal for moderate movement & control joints in horizontal & vertical areas. It is based on a liquid polysulphide polymer which, when mixed with the curing agent, cures to form a tough, flexible, non-staining, rubber-like seal with excellent resistance to fuels.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Expansion & Construction Joint Sealing:** RCC Structures, Podium Slabs, Basements & Foundation Walls, For Movement, Contraction & Construction Joints In Vertical & Horizontal Elements.
- **Airport Runways & Transportation Surfaces:** Aprons (Ramp), Taxiways & Runway Joints, Withstands Heavy Loads, Vibration, Fuel Spills & Weather Exposure.
- **Parking Structures & Podium Joints:** Ramps, Podiums & Multilevel Parking Decks, Durable Sealing Under Vehicular Traffic & Thermal Movement.
- **Road & Pavement Joint Sealing:** Concrete Pavements, Sidewalks, Kerb Joints & Medians, Handles Traffic Stress, Impact & Temperature Variations.
- **Water-Retaining Structures & Utility Areas:** STPs, ETPs, Reservoirs, Canals & Overhead Tanks, Seals Joints Exposed To Moisture.

PRODUCT KEY FEATURES



EXCELLENT ADHESION



NON-SAGGING



UV & WEATHER RESISTANT



EXCELLENT FLEXIBILITY



PREVENTS JOINTS EROSION

TECHNICAL PROPERTIES (ISO 1183, ISO 7390, ISO 37, IS 12118, IS 2770, ASTM D 2240, ISO 868, BS-5212, -1990, ASTM C 719, ASTM D 412)

Appearance & Colour	: Smooth, Non-Sagging Grey Paste
Base	: Polysulphide
Mixing Ratio	: Part A : Part B (92 : 8)
Density	: 1550 ± 50 kg/m ³
Pot Life	: 2 hours
Setting Time	: 20 ± 2 hours
Tack-Free Time	: 24 hours (Maximum)
Full Cure	: 7 days
Movement Accommodation Factor	: Butt Joint: 25 ± 2 % Lap Joint: 50 ± 2 %
Elongation at Break	: ≥ 400 %
Shore A Hardness @ 7 days	: PG: 20 GG: 25

COVERAGE

$$L = \frac{625 \text{ (PG)}}{W \text{ (mm)} \times D \text{ (mm)}} \quad L = \frac{650 \text{ (GG)}}{W \text{ (mm)} \times D \text{ (mm)}}$$

L = Length of joint in linear meter | W = Width of joint (mm)
D = Depth of joint (mm)

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



4 Kg set

ASCOSEAL® PU

Single Part, Low Modulus Polyurethane Sealant

ASCOSEAL® PU is a specially developed, single-component polyurethane sealant. It is low modulus, moisture-curing, VOC compliant & designed for use on concrete & masonry surfaces. With air curing properties, it forms a strong, durable & weather-resistant seal. **ASCOSEAL PU®** exhibits excellent adhesion to a wide range of substrates, making it ideal for various construction & repair applications. Recommended for joint widths of 10-25 mm & joint depths of 10-15 mm.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Joint Sealing in Building Structures:** Facade Elements, Precast Panels, Infill Panels Cladding, Curtain Walling & Connection Joints.
- **Expansion & Movement Joints:** Buildings, Balconies, Terraces & Wet Areas, Floor Joints & Non-Trafficable Joints.
- **Infrastructure & Pavement Joints:** Rigid Pavements, Highways & Airport Areas, Exterior Joints Exposed To Movement & Weather.
- **Perimeter Sealing & Crack Filling:** Doors, Windows & Facade Perimeters, Crack Filling In Concrete, Masonry & Plaster Surfaces
- **Water-Retaining & Damp Area Applications:** Swimming Pools, Water Tanks & Wet Areas, Joints Exposed To Moisture.

PRODUCT KEY FEATURES



EXCELLENT FLEXIBILITY



ABRASION & TEAR RESISTANCE



AGEING & WEATHER RESISTANT



EXCELLENT ADHESION



CHEMICAL RESISTANCE

TECHNICAL PROPERTIES (ISO 1183, ISO 37, ASTM D 2240, D 412, C 661, IS 12118)

Appearance & Colour	: Smooth, Non-Sagging Paste In White & Grey Colours
Base	: Polyurethane
Density	: 1.3 ± 0.05 g/cc
Shore A Hardness	: 35 ± 5
Elongation At Break	: ≥ 800 %
Tensile Strength	: 1.2 N/mm ²
Movement Accommodation Factor	: 25 ± 2 %
Cure Rate	: 24 hours @ 3 mm 50 % (Relative Humidity)
Skin Time	: 70 ± 10 minutes
Service Temperature	: - 40 °C to 55 °C

COVERAGE

$$L = \frac{600 \text{ ml}}{\text{Width (mm)} \times \text{Depth (mm)}}$$

Ex: L = 600 ml / 4 mm X 10 mm = 15 Rmt

L = Length of joint in linear meter | W = Width of joint (mm) | D = Depth of joint (mm)

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



600 ml Sausage

ASCOPRIME® RUSTCON

Rust Converting Primer, Rust Remover Cum Rust Passivator

ASCOPRIME® RUSTCON is a powerful rust converter that chemically transforms corrosion into a stable, protective black passivating layer. It penetrates rusted steel surfaces, neutralizing active corrosion & preventing further deterioration. The product acts as both a rust remover & primer, improving long-term steel durability. Suitable for reinforcement steel & general metal protection.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **RCC Structures For Rebar Treatment:** Passivation Of Corroded Reinforcement Steel, Cleaning Of Reinforcement & Rust Neutralization Before Repair Mortars.
- **Structural Steel Components:** Steel Beams, Columns, Fabricated Assemblies & Corroded Metal Surfaces Requiring Restoration.
- **Industrial Plants & Utilities:** Pipelines, Process Equipment, Tanks & Machinery, Steel Platforms, Ladders, Frames & Support Systems.
- **Architectural Metal Elements:** Railings, Grills, Gates, Window Frames, Metal Sheet & Exterior Metal Surfaces Exposed To Moisture.
- **Marine & Coastal Structures:** Steel Exposed To Saltwater & Humid Environments, Ship Decks, Docks, Jetties & Coastal Equipment.
- **Pre-Paint Preparation:** Rust Neutralization Before Epoxy, PU, Enamel, Or Anti-Corrosion Coatings & Surface Preparation To Improve Coating Adhesion, Treatment Of Corroded Reinforcement Prior To Coating Or Repair.

PRODUCT KEY FEATURES



**STRONG CORROSION
PASSIVATOR**



**IMPROVES
ADHESION**



**LONG TERM
PROTECTION**



**PREVENTS
RE-RUSTING**



DUAL ACTION

TECHNICAL PROPERTIES

Appearance & Colour	: Light Green Liquid
pH	: 2 ± 1
Density	: 1.12 ± 0.13 kg/L
Flammability	: Non-flammable
Touch Dry Time	: 20 ± 5 minutes
Reaction Time	: 10 - 15 minutes
Dip Coating Time	: 40 ± 10 minutes (Depending On The Type Of Substrate)
Application Temperature	: Ambient
Finish After Treatment	: Grey / Black passive layer

COVERAGE

40 - 45 ft² / ℓ / Coat
(Subject to the conditions)

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 & 5 ℓ

ASCOPRIME® ZINGUARD

Two-Component, Low-solvent Epoxy Primer Enriched With Zinc, Specifically Formulated For Steel Protection.

ASCOPRIME® ZINGUARD is a two-component epoxy zinc primer designed for durable, long-lasting corrosion protection of steel surfaces. Enriched with micro-zinc clusters, it provides exceptional electrochemical shielding & strong adhesion. Ideal for exposed steel, fabricated structures & industrial steel components. Ensures superior weather resistance and long-term anti-rust performance.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Reinforcement Steel Protection In Concrete Repairs:** Primer For Exposed Reinforcement Bars During RCC Repair Works, Anti-Corrosion Protection Before Application Of Repair Mortars Or Micro-Concrete.
- **Structural Repair & Rehabilitation Systems:** Used As Part Of Concrete Repair Systems With Repair Mortars & Micro-Concretes, Prevents Corrosion & Protects Surrounding Steel In Repaired Areas.
- **Infrastructure & Structural Extension Works:** Protection Of Exposed Rebars In Bridges, Metro Bridges & Infrastructure Structures, Used Where Reinforcement Is Left Exposed For Future Structural Extensions.
- **Industrial Steel Surface Protection:** Protective Coating For Machinery, Structural Girders & Factory Shed Structures, Suitable For Steel Surfaces Exposed To Industrial Environments.
- **Metal Fabrication & Exterior Steel Protection:** Coating For Metal Gates, Railings, Tanks & Structural Steel, Corrosion Protection For External Steel Installations.
- **Protection For New Reinforcement Or Metal Sheets:** Anti-Corrosion Primer For New Steel Reinforcement And Metal Sheets Before Installation Or Exposure.

PRODUCT KEY FEATURES



EXCELLENT
CORROSION PROTECTION



STRONG ADHESION
ON METAL



WEATHER
RESISTANT



CHEMICAL
RESISTANT



EASY TO
CLEAN

TECHNICAL PROPERTIES (ASTM B 117)

Appearance	: Part A Resin Part B Hardener
Colour	: Resin – Grey Hardener – Brown
Mixing Ratio	: Part A (Resin) : Part B (Hardener) – 4 : 1
Solid Content	: 75 %
Density	: 1.32 ± 0.05 g/cc
Pot Life	: 3 – 4 hours
Touch Dry Time	: 70 ± 10 minutes
Recoating Time	: 90 ± 10 minutes
Full Dry Time	: 22 ± 2 hours
DFT	: 40 ± 5 μ
Salt Spray Resistance	: 300 hours

COVERAGE

40 - 50 ft² / Kg / coat

SHELF LIFE

24 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 & 5 Kg

ASCOBOND® LATEX

Versatile SBR - Based Bonding Agent & Waterproofing Additive For Multiple Applications

ASCOBOND™ LATEX is a high-performance Styrene-Butadiene Rubber (SBR) copolymer, developed to enhance bonding properties. It improves adhesion, compressive strength & durability in Cementitious mortars (renders & screeds), patching mortars. Additionally, it offers benefits such as chemical & water resistance for long-lasting performance.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Bonding Agent:** Old To New Concrete & Cementitious Mortars (Plasters & Renders).
- **Waterproofing:** Small Roof Terraces, Sunken Bathrooms, Chajjas & Balconies.
- **Concrete Restoration:** Spalled Concrete Repairs, Crack & Leak Fixes & Pinhole Treatments.
- **Mortar Enhancement:** Mortar Bed/ Screeds, Tile & Marble Screeds & Masonry Mortar.
- **Durable Exterior Finishes:** Weatherproof Renderings.
- **Additional Usage:** Saltpetre & Leaching Treatments.
- **Other Applications:** Waterproofing Coat, Bonding Slurry, Masonry Joint, Patching & Repair Mortar, Polymer Modified Mortar/ Plaster, PCC/ Floor screed & Grouting Crack Treatment.

PRODUCT KEY FEATURES



EXCELLENT BONDING AGENT



MINIMIZES CRACKING



ABRASION RESISTANT



NON CORROSIVE & NON TOXIC



HIGHLY VERSATILE

TECHNICAL PROPERTIES (IS 101, 2250, ASTM D - 1644, D 7234, D 4541, C 109, C 348)

Appearance	: Milky White Low Viscous Liquid
Base	: SBR Latex
Solid content	: 38 ± 1%
pH	: 9 ± 1
Density	: 1.04 ± 0.02 g/cc
Pot Life	: 30 ± 5 minutes
Pull Off Bond Strength	: ≥ 2.5 N/mm ² 1:2:4 (Ascobond Latex : Water : Cement)
Compressive Strength (Patching & Repair Mortar)	: ≥ 11 N/mm ² 1:7:8:24 (Ascobond Latex : Water : Cement : Sand)
Flexural Strength (Patching & Repair Mortar)	: ≥ 4 N/mm ² 1:7:8:24 (Ascobond Latex : Water : Cement : Sand)
VOC	: < 1 %

MIX DESIGN

Application	Ascobond Latex	Water	Cement	Sand
Bonding Slurry	1	0.5	1	-
Patching & Repair Mortar	1	7	8	24
PMM	1	11	10	40

SHELF LIFE

18 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1, 5, 20 & 50 ℓ

ASCOBOND® 450

Advanced Strength And Extremely Dynamic SBR Latex Based Bonding Enhancer And Waterproofing Additive

ASCOBOND® 450 is a high-solid Styrene-Butadiene Rubber (SBR) copolymer synthetic latex. It serves as a highly effective waterproofing additive, designed to enhance performance aspects such as compressive strength, durability & pull-off adhesion in render, screed & repair mortar. **ASCOBOND™ 450** also improves abrasion resistance, protection against frost damage, water vapor transmission & resistance to chemical attacks.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Bonding Agent:** Old To New Concrete, Cementitious Mortars (Plasters) & Gypsum.
- **Waterproofing Solutions:** Tanks & Containments, Interior & Exterior, Balconies, Wet Areas & Plant Rooms & Multipurpose Slurries.
- **Concrete Repair & Restoration:** Beams, Slabs, Columns, Re-plastering, Masonry Works, Stucco Restorations, Screed Applications & Reinforcement Protections.
- **Mortar Enhancement:** Tile & Brick Setting Works.
- **Other Applications:** Waterproofing Coat, Bonding Slurry, Bonding Primer, Masonry Joint, Patching & Repair Mortar, Polymer Modified Mortar/ Plaster, PCC/ Floor Screed & Crack Filling.

PRODUCT KEY FEATURES



HIGH-PERFORMANCE
BONDING AGENT



IMPROVES
DURABILITY



REDUCES
SHRINKAGE CRACKS



WATERPROOFING
PROPERTIES



HIGHLY
VERSATILE

TECHNICAL PROPERTIES (IS 101, 2250, ASTM D - 1644, D 7234, D 4541, C 109, C 348)

Appearance	: Milky White Liquid
Base	: SBR Latex
Solid Content	: 46 ± 1%
pH	: 9 ± 1
Density	: 1.04 ± 0.02 g/cc
Pot Life	: 30 ± 5 minutes
Pull Off Bond Strength	: ≥ 3.50 N/mm ² 1:2:4 (Ascobond 450 : Water : Cement)
Compressive Strength (Patching & Repair Mortar)	: ≥ 10 N/mm ² 1:8:10:40 (Ascobond 450 : Water : Cement : Sand)
Flexural Strength (Patching & Repair Mortar)	: ≥ 3 N/mm ² 1:8:10:40 (Ascobond 450 : Water : Cement : Sand)
VOC	: < 1 %

MIX DESIGN

Application	Ascobond Latex	Water	Cement	Sand
Bonding Slurry	1	2	4	-
Patching & Repair Mortar	1	8	10	40
PMM	1	12	15	35

SHELF LIFE

18 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1, 5, 20 & 50 ℓ

ASCOBOND® AR

Highly Effective Acrylic-based Multipurpose Polymer For Waterproofing & Repair Applications

ASCOBOND™ AR is a high-performance, UV-resistant, acrylic copolymer-based waterproofing product engineered to enhance various cementitious mixes. It significantly improves waterproofing, making concrete, plaster, screed & render watertight on a wide range of indoor & outdoor surfaces. **ASCOBOND™ AR** also enhances adhesion & compressive strength, making the system more durable & resistant to wear & tear.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Bonding Agent:** Old To New Concrete, Masonries & Stone Works, Plasters & Tile Beddings.
- **Waterproofing Solutions:** Potable Water Tanks, Wet Areas, Water Bodies (Limited), Chemical Holding Tanks, Flat Surfaces, Sunk & Non-Sunk.
- **Concrete Repair & Restoration:** Pre-cast & In-situ Concrete, Plasterings & Structural Repairs.
- **Admixture:** Enhancing Mortar Durabilities, Waterproofing & Cement-based Paints.
- **Other Applications:** Waterproofing Primer, Waterproofing Coat, Bonding Slurry, Bonding Primer, Masonry Joint, Patching & Repair Mortar & Polymer Modified Mortar/ Plaster.

PRODUCT KEY FEATURES



PREVENTS WATER PENETRATION



EXCELLENT BONDING AGENT



EFFLORESCENCE RESISTANT



UV & WEATHER RESISTANT



HIGHLY VERSATILE

TECHNICAL PROPERTIES (IS 101, 2250, ASTM D - 1644, D 7234, D 4541, C 109, C 348)

Appearance	: Milky White Liquid
Base	: Acrylic Latex
Solid Content	: 35 ± 1%
pH	: 9 ± 1
Density	: 1.03 ± 0.02 g/cc
Pot Life	: 30 ± 5 minutes
Pull Off Bond Strength	: ≥ 2 N/mm ² 1:2:4 (Ascobond AR : Water : Cement)
Compressive Strength (Patching & Repair Mortar)	: ≥ 13 N/mm ² 1:7:8:20 (Ascobond AR : Water : Cement : Sand)
Flexural Strength (Patching & Repair Mortar)	: ≥ 3 N/mm ² 1:7:8:20 (Ascobond AR : Water : Cement : Sand)
VOC	: < 1 %

MIX DESIGN

Application	Ascobond Latex	Water	Cement	Sand
Bonding Slurry	1	0.5	1	-
Bonding Primer	1	3	4	-
PMM	0.5	8	5	20

SHELF LIFE

18 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1, 5, 20 & 50 ℓ

ASCOBOND® EP

Specially Formulated 2-Part High Strength Epoxy Bonding Agent For Old To New Concrete

ASCOBOND® EP is a high-strength, solvent-free, two-part epoxy bonding agent designed for old to new concrete applications. It offers excellent adhesion to concrete, mortar, steel & iron. It also serves as a high-performance primer & binder for epoxy repair mortars. Its moisture tolerance & superior bonding capacity make it ideal for structural repairs & overlays.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Old To New Concrete Bonding** : Bonding Fresh Cementitious Concrete Or Mortar To Existing Concrete Substrates, Ensures Monolithic Bonding Between New & Old Concrete Surfaces.
- **Concrete Repair Bonding Agent** : Used As A Bonding Bridge For Repair Mortars & Micro-Concrete Systems, Ideal For Structural Repair Of Beams, Columns, Slabs & Rcc Members.
- **Industrial Floor & Topping Bonding**: Bonding Of Bonded Screeds, Granolithic Toppings & Repair Overlays, Suitable For Industrial Floors, Loading Bays & Factory Floors.
- **Infrastructure & Structural Applications**: Used In Roads, Bridges, Pavements & Structural Rehabilitation Works, Suitable For Building Segments & Precast Repair Applications.

PRODUCT KEY FEATURES



EXCELLENT BONDING



NO SLIPPAGE OR DEBONDING



HIGH DURABILITY



IMPERMEABLE AFTER CURING



MOISTURE & CHEMICAL RESISTANT

TECHNICAL PROPERTIES (ASTM C 881, Type II - Grade 2, BS 6319, ASTM D 638)

Base	: Epoxy Resin & Hardener
Appearance	: Part A : Resin Part B : Hardener
Mixing Ratio	: Part A (Resin) : Part B (Hardener) - 1 : 1
Mix Density	: 1.14 ± 0.05 g/cc
Pot Life	: 150 ± 20 minutes
Compressive Strength @ 7 Days	: ≥ 50 N/mm ²
Flexural Strength @ 7 Days	: ≥ 35 N/mm ²
Tensile Strength @ 7 Days	: ≥ 20 N/mm ²
Pull-Off Bond Strength @ 7 Days	: ≥ 3 N/mm ² (Concrete Failure)
Slant Shear Strength	: ≥ 10 N/mm ²

COVERAGE

40 - 45 ft² / Kg / Coat

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 & 6 Kg

ASCOGROUT® (50,65,80)

Multipurpose, Single Component High Early Strength Non-shrink Precision Grout

ASCOGROUT®50, ASCOGROUT®65 & ASCOGROUT®80 are High-performance, non-shrink cementitious engineering grouts available in multiple strength grades. Designed for heavy machinery foundations, precast bedding & structural void filling. Offers excellent compressive strength, plastic expansion & strong bonding. Suitable for both internal & external precision grouting applications.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Precision Machine Base Grouting:** Grouting Of Base Plates For Turbines, Compressors, Generators, Pumps & Heavy Machinery ,Ensures Uniform Load Transfer And Vibration Resistance.
- **Bridge Bearing & Structural Seating:** Bridge Bearing Pedestals & Structural Support Plates,Seating Of Precast Elements Requiring Precision Load Distribution.
- **Structural & Precast Element Grouting:** Column Bases, Precast Wall Panels & Structural Joints, Ensures Stable Load Transfer Between Structural Components.
- **Anchor Bolt & Foundation Fixing:** Anchoring Foundation Bolts, Threaded Rods & Dowel Bars, Suitable For Masts, Equipment Supports & Structural Fixings.
- **Void Filling & Gap Grouting:** Filling Cavities, Gaps & Voids Between Concrete Elements Provides Non-Shrink Support For Critical Structural Installations.

PRODUCT KEY FEATURES



NON-SHRINK



HIGH COMPRESSIVE STRENGTH



CHLORIDE FREE



NON CORROSIVE



FOR EXTERNAL & INTERNAL USE

TECHNICAL PROPERTIES (IS 101, 516 - 2018, ASTM D 7234, D 4541 (Metals), ASTM C 109)

	ASCOGROUT 50	ASCOGROUT 65	ASCOGROUT 80
Appearance	: Free Flowing Grey Powder	: Free Flowing Grey Powder	: Free Flowing Grey Powder
Fresh Wet Density	: 2200 ± 100 kg/m ³	: 2200 ± 100 kg/m ³	: 2200 ± 100 kg/m ³
Water Demand	: 17 ± 1%	: 17 ± 1%	: 17 ± 1%
Pot Life	: 50 ± 10 minutes	: 50 ± 10 minutes	: 50 ± 10 minutes
Workability Time	: 25 ± 5 minutes	: 25 ± 5 minutes	: 25 ± 5 minutes
Setting Time	: 2-3 hours (Initial)	: 2-3 hours (Initial)	: 2-3 hours (Initial)
Compressive Strength	: ≥ 50 N/mm ²	: ≥ 65 N/mm ²	: ≥ 80 N/mm ²
Pull-Off Bond Strength	: ≥ 3 N/mm ²	: ≥ 6 N/mm ²	: ≥ 10 N/mm ²
Expansion	: NA	: 0.5 %	: NA

YIELD

13.05 - 14.30 ℓ / 30 Kg bag (approx.)
(at water-to-powder ratio of 16 - 18% by weight)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOGROUT® (50 & 65) GG

Versatile & High Early Strength Non-Shrink Gun Grade Cementitious Grout

ASCOGROUT® (50 & 65) GG is gun-grade, polymer-enriched non-shrink grout designed for hard-to-reach areas. Easily applied using standard caulking guns for tie-rod holes, core cuts & masonry gaps. Provides high early strength, smooth extrusion & excellent adhesion. Ideal for filling gaps between PVC pipes & RCC structures.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Formwork Tie-Rod Hole Sealing:** Filling Tie-Rod Holes Left After Shuttering Removal, Suitable For RCC Walls, Shear Walls & Retaining Walls.
- **Core-Cut & Service Penetration Filling:** Sealing Core-Cut Holes Around Service Pipes & Conduits, Filling Penetrations In Slabs & Walls.
- **Precast Element Joint Filling:** Filling Gaps Between Precast Panels & Structural Connections, Repairing Recess Pockets In Precast Elements.
- **Masonry & Blockwork Gap Filling:** Filling Gaps Between Masonry, Blockwork & RCC Elements, Sealing Small Cavities & Construction Joints.
- **Structural Void & Honeycomb Filling:** Filling Localized Honeycombs & Voids In Concrete, Suitable For Minor Underpinning & Repair Works.

PRODUCT KEY FEATURES



GUN GRADE APPLICATION



NON-SHRINK



HIGH EARLY STRENGTH



CRACK RESISTANT



SELF CURING

TECHNICAL PROPERTIES (ASTM C 109, IS 4031- part 6, IS 2770, ASTM C 348)

	ASCOGROUT 50 GG	ASCOGROUT 65 GG
Appearance	: Free Flowing Powder	: Free Flowing Powder
Fresh Wet Density	: 1900 ± 100 kg/m ³	: 1900 ± 100 kg/m ³
Water Demand	: 24 ± 1%	: 24 ± 1%
Flow on Table	: 150 ± 10 mm	: 150 ± 10 mm
Pot Life	: 80 ± 10 minutes	: 80 ± 10 minutes
Workability Time	: 50 ± 5 minutes	: 50 ± 5 minutes
Initial Setting Time	: 2-3 hours (Initial)	: 2-3 hours (Initial)
Compressive Strength	: ≥ 50 N/mm ²	: ≥ 65 N/mm ²
Flexural Strength	: ≥ 4 N/mm ²	: ≥ 5 N/mm ²
Pull-Off Bond Strength	: ≥ 1 N/mm ²	: ≥ 1.5 N/mm ²

YIELD

15 - 16.70 ℓ / 30 Kg bag (approx.)
(at water-to-powder ratio of 23 - 25 % by weight)
(Also Available in Yellow, Terracotta & Green Colours)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOGROUT® EP 100

General Purpose, Moisture Insensitive, High Strength, Flowable Epoxy Resin Grout

ASCOGROUT® EP 100 is a three-component, high-strength, flowable epoxy grout suitable for 10 - 100 mm thickness applications. It is moisture-insensitive, allowing dependable performance even on damp substrates. The grout offers excellent resistance to thermal, chemical, static, and dynamic loads. Its high flow ensures complete filling of foundation gaps, forming a dense, impact-resistant support for heavy structural & equipment loads.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Heavy Machinery & Equipment Grouting:** Foundations For Generators, Compressors, Turbines & Crushers, Precision Grouting For Dynamic & Vibrating Equipment.
- **Structural Load Transfer & Bearing Support:** Bridge Bearings, Steel Columns & Heavy Base Plates, Deep Grouting Where High Compressive Strength Is Required.
- **Deep Fill & High-Strength Epoxy Grouting:** Flowable Grouting For Large Cavities & Congested RCC Zones, High-Performance Filling Under Static & Dynamic Loads.
- **Anchor Bolt & Dowel Bar Fixing:** Fixing Bolts, Studs, Dowel Bars & Structural Inserts, High-Strength Bonding For Industrial Anchoring Applications.
- **Grouting In Chemical & Industrial Plants:** Chemical Plants, Refineries, Power Plants & Process Industries, Suitable For Areas Exposed To Chemicals, Heat, Vibration & Heavy Loads.

PRODUCT KEY FEATURES



EXCELLENT FLOWABILITY



ULTIMATE STRENGTH



THERMAL SHOCK & FATIGUE RESISTANT



CHEMICAL RESISTANCE



EXCELLENT DURABILITY

TECHNICAL PROPERTIES

(ASTM C 109, IS 4031- part 6, ASTM C 882, ASTM D 790)

Appearance & Colour	: Resin : Colorless Hardener : Light Yellow Filler : White
Mixing Ratio	: Part A (Resin) : Part B (Hardener) : Part C (Filler) 2 : 1 : 6
Mix Density	: 1900 ± 50 kg/m ³
Flow on Table	: 240 ± 10 mm
Pot Life	: 80 ± 5 minutes
Workability	: 25 ± 5 minutes
Initial Setting Time	: 4 - 5 hours
Layer Thickness (Single Pour)	: 10 - 100 mm
Compressive Strength @ 7 Days	: ≥ 100 N/mm ²
Flexural Strength	: ≥ 20 N/mm ²

COVERAGE

1.9 Kg / m²/ 10 mm thickness

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



9 & 27 Kg kit

ASCOGROUT™ PR

Unsaturated Polyester Resin Based Fast Setting Anchor Grout

ASCOGROUT™ PR is a two component, thixotropic polyester resin based anchoring grout . It is supplied as a premeasured two part resin grout. It is formulated using advanced unsaturated polyester resin technology providing exceptional bonding strength & rapid setting properties. After hardening, the grout has consistent high mechanical proper-ties. This anchoring grout is suitable to fill the gap between 5 - 25 mm with maximum depth up to 700 - 750 mm.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Foundation Bolt & Base Plate Fixing:** Anchoring Foundation Bolts, Threaded Rods & Base Plates, Suitable For Structural & Industrial Installations.
- **Rebar & Starter Bar Anchoring:** Fixing Reinforcement Bars For Extensions & Retrofitting, Structural Strengthening Applications.
- **Dowel Bar & Structural Anchoring:** Dowel Bars For Slab Connections & Load Transfer, Ensures Structural Continuity.
- **Safety Systems & Utility Fixings:** Crash Barriers, Guard Rails & Safety Installations, Fixing Gates, Balcony Railings & Ceiling Fan Hooks.
- **Underwater & Wet Condition Grouting:** Suitable For Underwater Anchoring Applications, Effective In Damp & Submerged Conditions.

PRODUCT KEY FEATURES



**HIGH EARLY STRENGTH
& RAPID SETTING**



**UNDER
WATER GROUTING**



**SHRINKAGE
FREE**



**CORROSION
RESISTANT**



**THERMAL MOVEMENT
RESISTANT**

TECHNICAL PROPERTIES (ISO 1183, ISO 37, ASTM D 2240, ISO 868)

Appearance	: Part A: Straw Liquid Resin Part B: Grey Powder
Mixing Ratio	: Part A (Resin) : Part B (Hardener) - 1 : 3
Mixed Density	: 1.95 ± 0.02 g/cc
Pot Life	: 8 - 9 minutes (Initial) 13 - 15 minutes (Final)
Compressive Strength @ 7 Days	: ≥ 70 N/mm ²
Flexural Strength @ 7 Days	: ≥ 32 N/mm ²
Tensile Strength @ 7 Days	: ≥ 18 N/mm ²
Shear Strength @ 7 Days	: ≥ 32 N/mm ²
Pull-Off Bond Strength @ 7 Days	: ≥ 1 N/mm ²
Shore D Hardness @ 7 Days	: ≥ 85

COVERAGE

AscogROUT PR Required In Grams For A 100 mm Hole Depth	Hole Diameter (mm)	Bar Diameter (mm)		
		12	16	20
	20	40	-	-
	25	-	74	-
32	-	117	95	

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.

YIELD

0.5 ℓ / 1 Kg kit (approx.)



1 Kg kit

ASCOREPAIR® CRM

Single Component, Non-Shrink, High Strength Concrete Repair Mortar

ASCOREPAIR® CRM is a high-strength, shrinkage-compensated cementitious repair mortar for restoring damaged concrete surfaces. Ideal for repairing corrosion-affected beams, slabs & columns. Its non-sag formulation supports vertical & overhead applications without formwork. Provides excellent adhesion & durable waterproof rendering on concrete & masonry.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Structural & Non-Structural Concrete Repairs:** RCC Beams, Columns, Slabs & Precast Elements, Repairs Of Deteriorated & Cracked Or Damaged Concrete.
- **Honeycomb, Void & Defect Filling:** Filling Blowholes, Cavities, Porous Zones & Concrete Voids, Suitable For Above-Grade & Below-Grade Repair Areas.
- **Industrial & Commercial Floor Repairs:** Patching Potholes, Surface Defects & Edge Breakdowns, Restoring Worn Or Damaged Concrete Flooring.
- **Surface Levelling & Re-Profiling:** Correcting Undulations, Uneven Surfaces & Floor Irregularities, Cosmetic Finishing, Smoothing & Preparing Surfaces For Coatings.
- **Infrastructure & Heavy-Duty Structure Repairs:** Bridges, Tunnels, Retaining Walls, Water Treatment Plants & STPs, Durable Repairs For High-Load & High-Exposure Structures.

PRODUCT KEY FEATURES



NON-SHRINKAGE
& CRACK FREE



NON SAGGING
MORTAR



LOW CHLORIDE
INGRESS



INTERNAL &
EXTERNAL AREAS



FREEZE-THAW
RESISTANT

TECHNICAL PROPERTIES (ASTM C 109, BS 4551, IS 2770)

Appearance & Colour	: Free Flowing Grey Powder
Fresh Wet Density	: 2000 ± 50 kg/m ³
Water Demand	: 16 ± 1 %
Pot Life	: 30 ± 5 minutes
Workability Time	: 20 ± 5 minutes
Initial Setting Time	: 4 – 5 hours
Final Setting Time	: 24 hours
Layer Thickness	: Up to 15 mm (Single Layer)
Compressive Strength @ 28 Days	: ≥ 35 N/mm ²
Pull-Off Bond Strength @ 28 Days	: ≥ 1.5 N/mm ² (Substrate Failure)
Chloride Diffusion	: 1.45 × 10 ⁻¹² m ² /sec

YIELD

14.60 - 15.40 ℓ / 30 Kg bag (approx.)
(at water-to-powder ratio of 15 - 17 % by weight)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOREPAIR® RTM

High Build, High Strength Polymer Modified, One Component,
Thixotropic Structural Repair Mortar

ASCOREPAIR® RTM is a fiber-reinforced, high-build structural repair mortar engineered for severe spalling & damaged RCC areas. Its thixotropic, non-sag formula makes it suitable for vertical & overhead repairs. Delivers high compressive strength, abrasion resistance & long-term durability. Ideal for industrial & marine concrete restoration.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Structural & Non-Structural Concrete Repairs:** RCC Beams, Columns, Slabs & Precast Elements, Ceilings, Restoration Of Deteriorated & Cracked Or Damaged Concrete.
- **Honeycomb, Void & Surface Defect Corrections:** Filling Honeycombs, Blowholes, Porous Zones & Concrete Cavities, Ideal For Both Above-Grade & Below-Grade Repair Zones.
- **Water-Retaining Structure Repairs:** STP/ETP Tanks, Overhead Tanks, Reservoirs & Canals, Suitable For Repairing Concrete Surfaces In Wet Exposure Conditions.
- **Industrial & Commercial Floor Repairs:** Potholes, Surface Defects & Damaged Edges In High-Traffic Floors, Durable Patching For Factories, Warehouses & Utility Floors.
- **Damaged Corner & Edge Restoration:** Repairing Chajjas, Parapets, Steps, Edges, Sills & Architectural Features, Reprofilling Damaged Or Broken Corners For Long-Term Durability.

PRODUCT KEY FEATURES



THIXOTROPIC & NON SAGGING



VERTICAL & OVERHEAD USE



EXCELLENT BOND STRENGTH



HIGH MECHANICAL STRENGTH



FIBER - REINFORCED

TECHNICAL PROPERTIES (ASTM C 109, ASTM C 496, IS 2770, BS 4551, ASTM C 348)

Appearance	: Free Flowing Grey Powder
Fresh Wet Density	: 2100 ± 50 kg/m ³
Water Demand	: 17 ± 1 %
Pot Life	: 35 ± 5 minutes
Workability Time	: 20 ± 5 minutes
Setting Time	: 4 - 5 hours (Initial), 24 hours (Final)
Layer Thickness	: Up to 15 mm (single layer)
Compressive Strength @ 28 Days	: ≥ 45 N/mm ²
Flexural Strength @ 28 Days	: ≥ 6 N/mm ²
Tensile Adhesion Strength @ 28 Days	: ≥ 3.5 N/mm ²
Pull-Off Bond Strength @ 28 Days	: ≥ 2 N/mm ²

YIELD

13.05 - 13.65 ℓ / 30 Kg bag (approx.)
(at water-to-powder ratio of 16 - 18 % by weight)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOCRETE™ MC 60

High Strength, Deep Pour Structural Micro Concrete

ASCOCRETE™ MC 60 is a high-strength, free-flowing micro-concrete for deep-pour structural repairs & grouting. Formulated with advanced cement, polymers & graded aggregates for superior strength. Suitable for restoring heavily damaged RCC where vibration is difficult. Provides excellent load transfer, dual shrinkage compensation & high durability.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Large Volume Structural Repairs & Jacketing:** Deep Pour Repairs Of Damaged RCC Members, Jacketing Of Beams, Slabs, Columns Affected By Corrosion.
- **High-Strength Micro-Concrete Applications:** Pouring Into Congested Reinforcement Zones, Structural Repair Where Vibration Is Difficult Or Not Possible.
- **Grouting & Void Filling:** Filling Large Cavities, Gaps & Honeycombed Concrete Areas, Vertical, Overhead & Horizontal Micro-Concrete Works.
- **Heavy-Duty Infrastructure Repairs:** Bridges, Industrial Structures, Heavy Load Transfer Zones, Industrial Floors Retrofitting & Rehabilitation In Old & Damaged Structures.

PRODUCT KEY FEATURES



**FREE FLOW
SELF COMPACTING**



NON-SHRINK



**HIGH EARLY
STRENGTH**



**EXCELLENT BOND
STRENGTH**



**ENHANCED
DURABILITY**

TECHNICAL PROPERTIES (ASTM C 109, ASTM C 496, IS 2770, BS 4551, ASTM C 348, ASTM D 4541)

Appearance	: Free Flowing Grey Powder
Fresh Wet Density	: 2050 ± 50 kg/m ³
Water Demand	: 17 ± 1 %
Workability Time	: 20 ± 5 minutes
Setting Time	: 2 hours (Initial), 4 hours (Final)
Layer Thickness	: Min 25 mm Max 100 mm
Compressive Strength @ 28 Days	: ≥ 60 N/mm ²
Flexural Strength @ 28 Days	: ≥ 9 N/mm ²
Tensile Adhesion Strength @ 28 Days	: ≥ 2.5 N/mm ²
Pull-Out Bond Strength @ 28 Days	: ≥ 4 N/mm ²
Expansion	: Up to 2 %

YIELD

13.35 - 14.65 ℓ / 30 Kg bag (approx.)

(at water-to-powder ratio of 16 - 18 % by weight)

(Allows up to 25% addition of aggregates (10 mm down size), based on specific requirements)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOREPAIR® RAPID

High-Strength, Quick-Setting, Fiber-Reinforced Repair Mortar
With Excellent Bond And Dual Shrinkage Compensation.

ASCOREPAIR® RAPID is a quick-setting, high-performance structural repair mortar designed for time-sensitive RCC repairs. Delivers rapid strength gain with excellent durability, chloride resistance & sulphate resistance. Suitable for columns, beams, industrial floors, bridges & runways. Effective for vertical, horizontal & overhead applications.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Fast-Track Structural Repairs:** Quick Restoration Of Beams, Slabs, Columns & RCC Elements, Rapid-Setting Repairs For Urgent Construction Schedules.
- **Fast-Track Rcc Roads & Bridges Repairs:** Rapid Repair Of RCC Roads, Bridges & Infrastructure Elements For Quick Return To Service.
- **Infrastructure Rehabilitation:** Industrial Floors, Patching Airport Runways, Ramps & Parking Areas.
- **High-Build & Multi-Positional Repairs:** Suitable For Vertical, Overhead & Horizontal Repairs, Thick-Section Applications For Severely Damaged Areas.
- **Heavy-Duty Durability Applications:** Environments Exposed To Traffic, Impact & Abrasion, Chloride And Sulphate-Resistant Repair Zones.

PRODUCT KEY FEATURES



**RAPID
SETTING**



**RAPID STRENGTH
GAIN**



**EXCELLENT
ADHESION**



NON - SHRINK



**FIBER
ENRICHED**

TECHNICAL PROPERTIES (ASTM C 109, ASTM C 496, IS 2770, BS 4551, ASTM C 348)

Appearance	: Free Flowing Grey Powder
Fresh Wet Density	: 2000 ± 50 kg/m ³
Water Demand	: 17 ± 1 %
Workability Time	: 10 ± 5 minutes
Setting Time	: 30 - 40 minutes (Initial), 2 - 3 hours (Final)
Layer Thickness	: Min 10 mm, Max 80 mm
Traffic Movement	: Medium traffic after 6 hours
Compressive Strength @ 28 Days	: ≥ 50 N/mm ²
Flexural Strength @ 28 Days	: ≥ 7 N/mm ²
Tensile Adhesion Strength @ 28 Days	: ≥ 1.5 N/mm ²

YIELD

13.05 - 13.65 ℓ / 30 Kg bag (approx.)

(at water-to-powder ratio of 16 - 18 % by weight)

*Ascorepair Rapid must be cured using the curing compound Ascocure AR 100 during the green stage (2-3 hours)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOPLUG™

An Ultra Rapid Setting Hydraulic Cement Based Water Plugging Compound

ASCOPLUG™ is an ultra-rapid setting hydraulic cement compound formulated to instantly stop active water leakage. It withstands hydrostatic pressure and performs effectively even under wet or underwater conditions. Ideal for sealing cracks, holes, joints, and leakage points in concrete and masonry. Provides a high-strength, non-shrink plugging solution for emergency repairs.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Active Water Leakage Plugging:** Plugging Active Water Leakage In Concrete & Masonry, Immediate Sealing Of Running Or High-Pressure Water Points.
- **Water-Retaining & Hydraulic Structures:** Lift Pits, Manholes, Reservoirs, Overhead Tanks, Dams, Swimming Pools, Tunnels, Subways & Canals.
- **Wet & Underwater Repair Works:** Instant Repairs On Wet Or Submerged Surfaces, Leakage Control During Shutdowns & Maintenance.
- **Grouting & Utility Sealing Applications:** Sealing Around Injection Grouting Nozzles, Stopping Leaks Around Pipes, Sleeves, Conduits & Penetrations.

PRODUCT KEY FEATURES



ULTRA FAST SETTING



STOP RUNNING WATER



NON-SHRINK



NON-TOXIC



READY TO USE

TECHNICAL PROPERTIES (EN 12190 : 1999, EN 1504 - 3)

Appearance	: Hydraulic Cement Powder
Colour	: Grey
Bulk Density	: 1800 ± 100 kg/m ³
Mixing Ratio	: 1 : 3 (Water : Powder)
Water Demand	: 30 ± 2 %
Workability	: 1 - 2 minutes (Approx)
Setting Time (Initial)	: 1 - 2 minutes (Approx)
Compressive Strength @ 1 Hours	: ≥ 1.5 N/mm ²
@ 6 Hours	: ≥ 7 N/mm ²
@ 1 Day	: ≥ 13 N/mm ²

YIELD

15.79 - 17.65 ℓ / 30 Kg bag (approx.)
(at water-to-powder ratio of 30 - 32 % by weight)

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



1 & 30 Kg

ASCOREPAIR® ERM

2 Component, Moisture Insensitive Epoxy Based High Strength Concrete Repair Mortar

ASCOREPAIR® ERM is a two-component, solvent-free, 100% solid epoxy-based repair mortar formulated for wet and damp concrete surfaces. It delivers high compressive strength & strong bonding for structural rehabilitation. Ideal for repairing spalled RCC members exposed to moisture. Suitable for vertical, overhead & heavy-duty industrial applications.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Repairs On Damp & Wet Concrete Surfaces:** Restoration Of Concrete In Continuously Moist Conditions, Repairs Of Water-Exposed Structures Such As Slabs & Pillars & Beams.
- **High-Build Epoxy Repair Mortar:** Repair Of Damaged Concrete Panels & Flooring & Thick-Section Restoration For Structural Elements.
- **Corrosion-Affected RCC Rehabilitation:** Treatment Of Spalled Areas Due To Steel Corrosion & Strengthening Compromised RCC Members.
- **Heavy-Duty Structural Repairs:** Repairs On Wet Substrates In Industrial & Marine Environments.

PRODUCT KEY FEATURES



HIGH BOND
STRENGTH



NON-SHRINK



HIGH COMPRESSIVE
STRENGTH



HIGH ABRASION
RESISTANCE



WATER RESISTANT
& DURABLE

TECHNICAL PROPERTIES (ASTM C 579, ISO 527, BS 4551, ASTM D 790, ASTM D 648 Hot, ASTM C 496)

Appearance	: Part A Coarse Paste & Part B Hardener
Mixing Ratio	: Part A (Resin with fillers) : Part B (Hardener) - 11 : 1
Mix Density	: 2200 ± 50 kg/m ³
Pot Life	: 3 - 4 hours
Workability Time	: 30 ± 5 minutes
Setting Time	: 6 - 8 hours (Initial), 24 hours (Final)
Full Cure Time	: 7 days
Layer Thickness	: Up to 150 mm
Compressive Strength @ 7 Days	: ≥ 90 N/mm ²
Flexural Strength @ 7 Days	: ≥ 30 N/mm ²
Tensile Strength @ 7 Days	: ≥ 15 N/mm ²

CONSUMPTION

2.15 - 2.25 Kg / m² / mm thickness

*subject to surface smoothness

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



12 & 24 Kg Kit

ASCOREPAIR® ERM 3

3 Component High Strength, Moisture Insensitive Epoxy Structural Repair Mortar

ASCOREPAIR® ERM 3 three-component, solvent-free epoxy repair mortar offering exceptional strength & adhesion. Designed for repairing columns, beams, slabs, & industrial flooring. Suitable for overhead, vertical & horizontal applications in demanding environments. Provides high abrasion resistance, moisture insensitivity & long-term structural stability.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Structural Restoration Of Concrete Elements:** Repair Of Columns, Beams, Slabs & Vertical Surfaces, Rehabilitation Of Concrete Damaged Due To Corrosion Or Impact.
- **High-Strength Epoxy Mortar Applications:** Heavy-Duty Industrial Floor Repairs & Overlays, Strengthening & Rebuilding Load-Bearing RCC Sections.
- **Anchoring, Bonding & Gap Filling:** Anchoring Steel Inserts & Bolts, Rigid Substrates, Filling Voids & Construction Gaps.
- **Multi-Surface Repair Solutions:** Suitable For Overhead, Vertical, Inclined Surfaces & Moisture-Insensitive System For Demanding Environments.

PRODUCT KEY FEATURES



HIGH STRENGTH



NON-SAG



MOISTURE INSENSITIVE



NON-SHRINK



HIGH ABRASION RESISTANCE

TECHNICAL PROPERTIES (ASTM C 579, ISO 527, BS 4551, ASTM D 790, ASTM D 648 Hot, ASTM C 496)

Appearance	: Coarse Paste (A), Hardener (B) & Grey Powder (C)
Mixing Ratio	: Part A : Resin Part B : Hardener Part C : Filler - 2 : 1 : 9
Mix Density	: 2200 ± 50 kg/m ³
Pot Life	: 2 - 3 hours
Workability Time	: 20 ± 5 minutes
Setting Time	: 6 - 8 hours (Initial), 24 hours (Final)
Full Cure Time	: 7 days
Layer Thickness	: Up to 150 mm
Compressive Strength @ 7 Days	: ≥ 90 N/mm ²
Flexural Strength @ 7 Days	: ≥ 25 N/mm ²
Tensile Adhesion Strength @ 7 Days	: ≥ 10 N/mm ² (Concrete failure)

CONSUMPTION

2.15 - 2.25 Kg / m² / mm thickness

*subject to surface smoothness

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



12 & 24 Kg Kit

ASCOPOXY® PUTTY

Epoxy Resin Based High Strength Concrete Repair Putty

ASCOPOXY™ PUTTY is an two-component, solvent free high-strength epoxy repair mortar suitable for horizontal, vertical & overhead applications. It offers excellent adhesion to concrete, stone, tiles & multiple substrates. Designed for patching, rebuilding edges & repairing spalled structural elements. Provides superior mechanical strength, durability & chemical resistance.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Structural Concrete Repairs:** Repair Of Damaged Concrete Surfaces, Beams, Columns & Slabs, Rebuilding Chipped, Spalled or Cracked RCC Areas.
- **Honeycomb & Void Repairs:** Filling Honeycombs, Cavities, Pinholes & Surface Defects ,Suitable For Shallow & Deep Imperfections.
- **Surface Levelling & Finishing:** Achieving Smooth, Uniform, Paint-Ready Surfaces, Preparation Before Epoxy & PU Coatings.
- **Edge Repairs & Profile Restoration:** Repair Of Damaged Edges, Corners & Grooves , Re-Profiling Of Structural & Architectural Elements.
- **Floor Repairs & Joint Protection:** Repair Of Minor Floor Damages & Surface Defects, Fixing Of Expansion Joint Tapes Using Epoxy Putty After Sealant Application.

PRODUCT KEY FEATURES



**EXCEPTIONAL
BOND STRENGTH**



**HIGH COMPRESSIVE
STRENGTH**



NON SHRINK



FAST CURING



**WATERPROOF &
CHEMICAL RESISTANT**

TECHNICAL PROPERTIES (IS 9162, ASTM C 109, ISO 527, ASTM D 638, ASTM C 882, ASTM C 496)

Appearance	: Resin - Hard Paste (Part A), Hardener - Soft Paste (Part B)
Mixing Ratio	: Part A (Resin) : Part B (Hardener) – 2 : 1
Solid Content	: 96 ± 2 %
Mix Density	: 1600 ± 100 kg/m ³
Pot Life	: 55 ± 5 minutes
Setting Time	: 2 - 3 hours
Layer Thickness	: Up to 5 mm
Compressive Strength @ 7 Days	: ≥ 60 N/mm ²
Flexural Strength @ 7 Days	: ≥ 22 N/mm ²
Tensile Strength @ 7 Days	: ≥ 12 N/mm ²
Pull-Off Bond Strength	: ≥ 3 N/mm ² (Concrete failure)

CONSUMPTION

1.5 - 1.7 Kg / m² / mm thickness

*subject to surface smoothness

SHELF LIFE

12 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



6 & 30 Kg kit

ASCOTOP™ FH 111

Non-metallic, Hard Wearing Dry Shake Floor Hardener

ASCOTOP™ FH 111 is a non-metallic, dry-shake floor hardener designed to enhance surface hardness and abrasion resistance. Applied on fresh concrete to create a dense, wear-resistant surface. Ideal for warehouses, industrial floors, malls & commercial areas. Provides long-term durability, dust-proofing & improved finish quality.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Industrial & Manufacturing Floors:** Factories, Workshops, Service Stations, Garages & Assembly Areas, Designed For Abrasion & Impact Resistance.
- **Logistics & Heavy-Traffic Zones:** Warehouses, Loading Bays, Freight Terminals & Container Yards, Suitable For Forklift, Pallet Truck & Vehicle Movement.
- **Commercial & Public Utility Spaces:** Malls, Airports, Railway Platforms, Bus Depots & Public Utilities, Dust-Proof, Hard-Wearing Surfaces For High Footfall.
- **Exposed RCC Slabs, RCC Roads & Utility Floors:** Podiums, Substations, Open Slabs, RCC roads & Service Floors, Durable Under Weathering & Heavy Operational Loads.
- **Floor Restoration & Performance Upgrades:** Enhancing Old Or Weak Concrete Floors, Long-Lasting Hardening Solution For Large Areas.

PRODUCT KEY FEATURES



**HIGH ABRASION
RESISTANCE & HARDNESS**



**SPILLAGE
RESISTANT**



RUST FREE



**EXCELLENT
DURABILITY**



READY TO USE

TECHNICAL PROPERTIES (ASTM C 109, IS 9162, BS 6319, IS 1237:1980, IS 13630-13, 2006)

Appearance	: Non-metallic Free Flow Granular Powder
Colours	: Natural Grey, Terracotta, Green, Yellow etc
Density	: $1600 \pm 50 \text{ kg/m}^3$
Penetration	: 2.5 - 3.0 mm at dosage of 5.0 kg/ m ²
Setting Time	: 2-3 hours (Initial) : 12 hours (Final)
Time to Traffic	: Foot: 1- 2 days Light Vehicular : 7 - 8 days Heavy Vehicular : 28 days
Compressive Strength @ 28 Days	: $\geq 65 \text{ N/mm}^2$
Abrasion Resistance	: Approx. 1.7 - 2.5 mm loss
Mohs Hardness	: >7

CONSUMPTION

Light Duty Traffic : 2.5 to 3.5 Kg / m²
Medium Duty Traffic : 4.0 to 5.0 Kg / m²
Heavy Duty Traffic : 5.5 to 6.5 Kg / m²

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

ASCOTOP™ MFH 333

Metallic Hard Wear Dry Shake Floor Hardener

ASCOTOP™ MFH 333 is a metallic dry-shake floor hardener for heavy-duty industrial flooring. Enhances surface strength, abrasion resistance & impact durability. Suitable for manufacturing facilities, loading bays & high-traffic zones. Creates a long-lasting, hard-wearing surface with superior performance.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

- **Heavy Mechanical & Production Units:** Automobile Plants, Forging & Casting Units, CNC Machine Areas, Floors Exposed To Extreme Impact, Vibration & Heavy Mechanical Loads
- **Heavy-Duty Industrial & Manufacturing Floors:** Engineering Shops, Fabrication Units, Assembly Bays Designed For Maximum Abrasion & Impact Resistance.
- **Logistics, Warehousing & Material Handling Zones:** Loading Bays, Distribution Centers, Freight/Cargo Terminals, Ideal For Forklift, Pallet Truck & Container Movement
- **High-Wear Public & Infrastructure Facilities:** Airport Hangars, Railway Platforms, Bus Depots, Roads, Durable Surfaces For Continuous Traffic & Service Loads
- **Exposed Rcc Floors Requiring High Durability:** Podiums, Substations, Utility Floors, Open-To-Sky slabs.

PRODUCT KEY FEATURES



HIGH ABRASION
& IMPACT RESISTANCE



HIGH MECHANICAL
STRESS
RESISTANCE



EXCELLENT WEATHER
RESISTANCE



NON - RUSTING



CHLORIDE FREE

TECHNICAL PROPERTIES (ASTM C 109, IS 9162, BS 6319, IS 1237:1980, IS 13630-13, 2006)

Appearance	: Free - Flowing Metallic Aggregate - Based Powder
Colours	: Natural Grey, Terracotta, Green, Yellow etc
Density	: 1850 ± 50 kg/m ³
Penetration	: 2.5 to 3.0 mm at dosage of 5.0 kg/m ²
Setting Time	: 2-3 hours (Initial) : 12 hours (Final)
Time to Traffic	: Foot: 1- 2 days Light Vehicular : 7 - 8 days Heavy Vehicular : 28 days
Compressive Strength @ 28 Days	: ≥ 75 N/mm ²
Abrasion Resistance	: Approx. 1.23 mm loss
Mohs Hardness	: >8

CONSUMPTION

Light Duty Traffic : 2.5 to 3.5 Kg / m²
Medium Duty Traffic : 4.0 to 5.0 Kg / m²
Heavy Duty Traffic : 5.5 to 6.5 Kg / m²

SHELF LIFE

6 months from the date of manufacturing in original sealed condition, if stored dry at +5°C to +40°C.

The values are based on laboratory testing at 27 ± 2°C. On-site conditions may vary; refer to the company TDS for best results.



30 & 50 Kg

NOTES

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WALLING
SOLUTIONS



WATERPROOFING
SYSTEMS



TILE & STONE
INSTALLATION SOLUTIONS



STRUCTURAL REPAIRS,
SEALANTS & GROUTS



PROTECTIVE
COATINGS



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