ASCON®

Ascolite®

WALLING SOLUTIONS

PRODUCT BROCHURE

BUILD SMART, **BUILD SUSTAINABLE**

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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, and sustainability has solidified its reputation as a driving force in both regional and national markets.

Ascon Realty

Since **1995**

Ascolite

Since **2012**

ABOUT ASCOLITE

Aswani Industries Pvt. Ltd.

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 are not just building structures; we are 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.)
AA 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

FLY ASH BLOCKS

AAC Blocks for Masonry

FLY ASH BLOCKS (AAC) are used as a substitute against conventional building masonry such as red clay bricks & have been widely accepted globally because of their beneficial properties.

The aerating is caused by a reaction of a mix of various materials mainly consisting of silica (through fly-ash) quicklime, cement & others. **FLY ASH BLOCKS** (AAC) consist of around 80% air, this aerated material is processed through autoclaving which entails high pressurized steam curing of aerated materials formed in cellular shapes.

RECOMMENDED APPLICATIONS

- Internal Partition Walls
- External Wall
- Boundary Compound Wall
- Non Load Bearing Walls

PRODUCT KEY FEATURES

FASTER CONSTRUCTION | ENERGY SAVINGS | FIRE RESISTANT | BETTER FINISH | STRONGER WALLS

TECHNICAL PROPERTIES[1]

(Complies to IS 2185(3) & IS 6441(1-5), 6042, ASTM 119, NFP 14306)

Size (Length × Height)	: 600 × 200 / 240 mm
Size (Width)	: 75, 100, 125, 150, 200, 225, 230, 250, 300 mm
Size Tolerance (Maximum)	: ± 3 (Width & Height) mm & ± 5 (Length) mm
Compressive Strength	: ≥ 4.0 N/mm^2
Oven Dry Density	: 550 - 650 Kg/m^3
Drying Shrinkage	: ≤ 0.05 %
Fire Resistance	: 4 (for 150 mm thick wall without plaster) Hours
Sound Reduction	: 37 - 42 dB
Sound Transmission Class Rating	: 44 dB
Modulus of Elasticity	: 2040 MPa
Thermal Resistance (R Value)	: 0.95 m^2·k/w (200 mm Width) @ K = 0.21 W/mK
Thermal Conductance (U Value)	: 1.05 m^2·k/w(200 mm Width) @ K = 0.21 W/mK
Capillary Water Absorption (After 24 hrs)	: ≤ 180 gm/dm^2

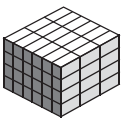
FLY ASH BLOCKS (AERATED AUTOCLAVED) COVERAGE [2]

Size (mm) L × H × W	QUANTITY OF BLOCKS 1 m^3
600×200×100	83.33
600×200×150	55.56
600×200×225	37.04

77.42 blocks are required to cover **100 ft^2** wall area

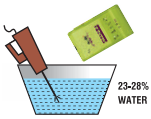
PREPARATION & APPLICATION GUIDELINES[3]

Stacking



Stack on dry & even surface to avoid damage & contact with moisture.

Mortar for Masonry

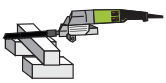


Thin Bed Adhesive. (ASCOFIX BJM/TBM).

Wetting of Blocks before application

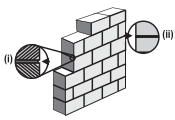
Surface wetting of blocks is required before application by immersing in water for few seconds.

Cutting of Block



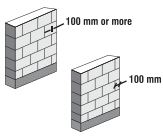
Use tool like hacksaw or rotary cutter.

Mortar Thickness



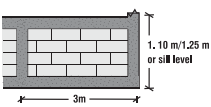
(I) Pre-mix Thin Bed : 2-3 mm
(ii) Pre-mix Med. Bed : 5-6 mm

Bond Pattern



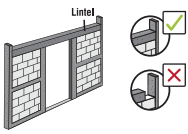
One vertical joint must be atleast at a 100 mm distance from the other block.

Bond Beam & Mullion



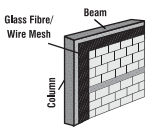
· Bond Beam to be installed at every 1.2 m vertical interval.
· Mullion to be installed at every 3 m horizontal interval

Lintel Support



Lintel support on full block.

Beam & Column Junctions



Use a glass fibre mesh of 6" to cover & reinforce the joint areas.

PRECAUTIONS

Protect from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Coverage of commonly used sizes have been illustrated in the table.

3. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOFIX BJM/TBM

ASCOFIX BJM: Versatile Nonshrink Block Jointing & Bonding Mortar
ASCOFIX TBM: Self Curing Thin Bed Mortar

ASCOFIX BJM is a pre - mixed, self-curing & non-shrink thin jointing mortar for Fly Ash Blocks (AAC) blocks or equivalent. ASCOFIX BJM is a specially engineered jointing mortar with an ideal mix of OPC, dry graded sand, polymers & chemical additives.

ASCOFIX TBM is a pre-mixed high quality Thin Bed Jointing Mortar for AAC blocks or equivalent. It replaces the conventional method & material of jointing mortar which requires a 12 - 18 mm thickness with a revolutionary 2 - 3 mm joint thickness.

RECOMMENDED APPLICATIONS

- AAC (Sand Based Blocks)
- Fly Ash Bricks
- Concrete Bricks

PRODUCT KEY FEATURES

SELF-CURING | COST EFFECTIVE | STRONG BOND | EASY TO APPLY | VERSATILE USE

TECHNICAL PROPERTIES[1]

(Complies to ASTM C 109, ASTM C 1660(9), EN 1015-12-2016, IS 2250-1981)

	ASCOFIX BJM	ASCOFIX TBM
Appearance	: Grey powder	
Composition	: Cement, fine graded aggregates & special additives	
Pot life	: 60 ± 15 minutes	
Water ratio	: 23 - 28%	
Bulk density	: 1600 ± 50 (Kg/m^3)	
Maximum size of Particle	: 1.18 mm	
Water Retentivity on AAC	: 90 - 100%	95 - 100%
Compressive strength @ 28 Days	: ≥ 6 N/ mm^2	≥ 8 N/ mm^2
Pull off Adhesion Strength @ 28 Days	: ≥ 0.60 N/ mm^2	≥ 0.70 N/ mm^2
Split Adhesion Tensile Strength	: ≥ 0.40 N/ mm^2	≥ 0.60 N/ mm^2
	Required 0.34 - 0.40 N/mm^2 Minimum (For Joint Thickness 2 - 3 mm)	

BLOCK JOINTING MORTAR COVERAGE [2]

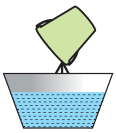
Size (mm) L H W	JOINTING SURFACE Area of 1 Block (ft^2)	MORTAR REQUIRED IN KG/BLOCK 170 ft^2/ 40 Kg of Bag
600×200×100	1.83	0.44
600×200×150	2.74	0.66
600×200×225	4.12	0.98

170 Ft^2/ 40 Kg of Bag Considering Joint Thickness of **2mm To 3mm**

30 & 40 Kg

PREPARATION & APPLICATION GUIDELINES[3]

Pour Water



In a clean bucket, take 23 - 28 % of water.

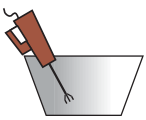
Addition & Mixing

Add motar slowly & mix for 5 - 10 minutes by electrical mixer to mix homogeneously.

Slake Time

Allow mortar to slake for 5 minutes.

Remixing

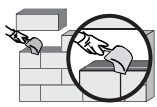


Mix again for 2 - 3 minutes, Now thin bed mortar is ready to use.

SSD Conditioning

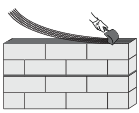
Pre-wet the surface of blocks before applying mortar.

Mortar Spread



Mortar should be spread on all sides of block maintaining bond thickness of 2 - 3 mm, using a notched trowel.

Embed Glass Fibre Mesh

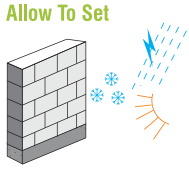


In alternate horizontal block layers, sandwich glass fibre mesh in the mortar for enhanced performance.

Alignment

Use Spirit Level & Rubber hammer to remove any air gaps in between blocks for proper jointing & alignment.

Allow To Set



Allow the wall to set for 24 hours (setting time may vary based on climatic conditions).

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Coverage of commonly used sizes have been illustrated in the table.

3. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOFIX GPM

General Purpose Block Bonding And Joining Mortar

ASCOFIX GPM is a premixed high quality self - curing general purpose Medium bed mortar for jointing for AAC Blocks. **ASCOFIX GPM** is a semi premix consisting of OPC 53 Grade Cement, Dry Graded Sand of size 3 mm down & specialised polymers which combine to give superior compressive strength, excellent water retention with self - curing property & stability.

RECOMMENDED APPLICATIONS

- Fly Ash Blocks
- Concrete blocks
- Hollow blocks
- Clay bricks
- Fly ash bricks

PRODUCT KEY FEATURES

LEVELING FLEXIBILITY | SELF-CURING | EASY MIXING | STRONG BOND | VERSATILE USE

TECHNICAL PROPERTIES[1] *(Complies to ASTM C 109, ASTM C 1660(9), IS-5816, IS-2250)*

Appearance	: Grey powder
Water ratio	: 16 - 18 %
Bulk Density	: 1600 ± 50 (Kg/m^3)
Compressive Strength @ 28 Days	: ≥ 8 N/ mm^2
Split Adhesion Tensile Strength	: ≥ 0.40 N/ mm^2
Water Retentivity on AAC	: 90 - 100%
Pull off Adhesion Strength	: ≥ 0.50 N/ mm^2 @ 28 days
Particle Size (850 μ sieve)	: 2.36 mm down
Slit Content in Sand	: NIL
Bed Thickness	: 5 - 6 mm

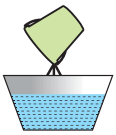
BLOCK JOINTING MORTAR COVERAGE [2]

Size (mm) L H W	JOINTING SURFACE Area of 1 Block (ft^2)	MORTAR REQUIRED IN Kg/ BLOCK 170 ft^2/ 40 Kg of Bag
600×200×100	1.83	1.00
600×200×150	2.74	1.50
600×200×225	3.88	2.11

30 & 50 Kg

PREPARATION & APPLICATION GUIDELINES[3]

Pour Water



In a clean bucket, take 16 - 18 % of water.

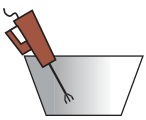
Addition & Mixing

Add motar slowly & mix for 5 - 10 minutes by electrical mixer to mix homogeneously.

Slake Time

Allow mortar to slake for 5 minutes.

Remixing

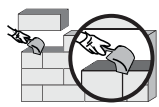


Mix agian for 2 - 3 minutes. Now thin bed mortar is ready to use.

SSD Conditioning

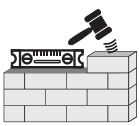
Pre-wet the surface of blocks before applying mortar.

Mortar Spread



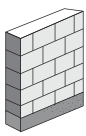
Mortar should be spread on all sides of block maintaining bond thickness of 5 - 6 mm, using a notched trowel.

Alignment



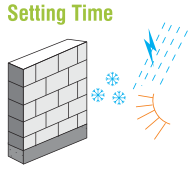
Use Spirit Level & Rubber hammer to remove any air gaps in between blocks for proper jointing & alignment.

DND



Do not disturb the wall after application of mortar for at least 24 hours.

Setting Time



The setting time is affected by climatic conditions.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Coverage of commonly used sizes have been illustrated in the table.

3. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOGLASS™ FR

Alkali Resistant, Durable & Multipurpose Glass Woven Fabric Roll

ASCOGLASS™ FIBER ROLL is a highly durable, flexible, alkali-resistant unidirectional glass woven fabric/mesh coated with liquid acrylic acid copolymer. It boasts excellent properties, including high water resistance, flexibility, softness, resistance to aging & protection against breakdown. **ASCOGLASS™ FIBER ROLL** is widely used for waterproofing in roofing applications, as well as for reinforcement in natural marble, plasterboard & exterior insulation finishing systems (EIFS).

RECOMMENDED APPLICATIONS

- Horizontal Masonry Joints
- Vertical Column & Masonry Joints
- Vertical Beam & Masonry Joints

PRODUCT KEY FEATURES

EASY & SAFE TO USE

FRACTURE RESISTANT

CORROSION RESISTANT

ADHERES TO UNEVEN SURFACES

EXCELLENT ALKALI RESISTANCE

TECHNICAL PROPERTIES[1] *(ETAG004, BS/EN 1170)*

Fibre Type	: Glass Woven Alkali Resistant Fiber Mesh
Fabric weight	: GSM - 145 ± 5%
Colour	: White/ Green
Tensile Resistance	: ≥ 200 Kn/ m
Woven Structure	: Leno
Alkali Resistance	: Yes
Breaking Strength	: ≥ 30 N/ mm^2 @ 1600 N / 5 cm speed (Both Sides)
Breaking Strength After Alkali Ageing	: ≥ 20 N/ mm^2 & 50 % retention (Both Sides)
Tensile Strength	: ≥ 1000 N/ mm^2

AVAILABLE SIZES

Thickness: 145 GSM
Roll Size: 100mm/ 150mm/ 300mm x 50m
Mesh Size: 5 x 5 mm

100mm / 150mm / 300mm x 50m

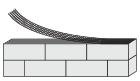
PREPARATION & APPLICATION GUIDELINES[2]

USE ASCOGLASS FR @ HORIZONTAL BLOCK JOINTS

Step 1

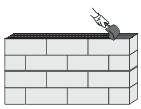
Apply first coat of BJM/GPM as recommended thickness.

Step 2



In alternate horizontal block joints place Glass Fibre Mesh as a sandwich in the mortar for enhanced performance.

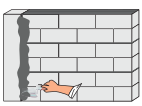
Step 3



Apply the second coat of BJM/GPM with 3-5 mm Thickness after the first coat has fully dried & set.

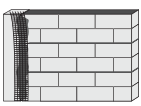
USE ASCOGLASS FR @ BLOCK COLUMN JOINTS

Step 1



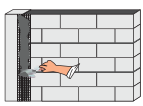
in alternate Vertical block joints place Glass Fibre Mesh as a sandwich in the mortar for enhanced performance.

Step 2



Applied area to be smoothened using spatula or trowel.

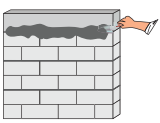
Step 3



Apply the second coat of BJM/GPM with thickness of 3-5 mm after the first coat has fully dried & set.

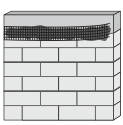
USE ASCOGLASS FR @ BLOCK BEAM JOINTS

Step 1



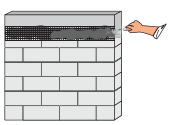
Use Spirit Level & Rubber hammer to remove any air gaps in between blocks for proper jointing & alignment.

Step 2



Do not disturb the wall after application of mortar for at least 24 hours.

Step 3



The setting time is affected by climatic conditions.

SHELF LIFE

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

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOPLAST BOND

Bonding Agent For Plastering On RCC

ASCOPLAST BOND is a polymer based, exterior / interior grade bonding agent designed to be applied over properly prepared substrates prior to application of new plaster & portland cement based mixes. When properly applied, **ASCOPLAST BOND** helps bond plaster & cement based mixes to a variety of structurally sound substrates.

RECOMMENDED APPLICATIONS

- Over masonry, concrete, stone, plaster, drywall, wood, tile & other structurally sound surfaces.
- For bonding between plastering / tiling over concrete surface.
- General reconstruction work.

PRODUCT KEY FEATURES

STRONGER PLASTER | **RELIABLE GRIP** | **NON-FLAMMABLE** | **REDUCES REBOUND LOSS** | **EASY TO USE**

TECHNICAL PROPERTIES[1] *(Complies to ASTM C 109, ASTM C 1660(9), ASTM D 7234-19)*

Appearance	: Light Green Liquid
Density	: 1.05 ± 0.05 g/ cc
Touch Dry Time	: 25 ± 5 minutes depending on environment condition
Dilution With Water	: Strictly Prohibited
Pull Off Adhesion @ 28 Days	: > 0.75 N/ mm^2 (with ready mix mortar)
pH	: 8 to 9
DFT	: 50 ± 5 μ / coat

COVERAGE

45 - 50 ft^2 / ℓ (On RCC)

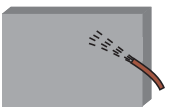
5, 20 & 50 ℓ

PREPARATION & APPLICATION GUIDELINES[2]

Surface Preparation

Clean the surface to remove dirt,oil,or foreign materials which are stuck to the surface.

SSD Conditioning



Pre-wet the wall before the application.

Mixing

Mix the material thoroughly & homogenously just before use.

Apllication

Apply the material by using good quality paint brush or Roller.

Drying

Leave to dry in tacky condition for 5-10 Min.

Apply Slurry Coat

Apply slurry coat of plaster immediately after application of Ascoplast Bond (Tacky condition).

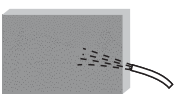
24hrs Drying

Leave it to dry for at least 24 hours.

Apply Plaster

Apply 1st coat of plaster with 6-12 mm thickness

Water Curing



After the plaster is dry, curing should be done 2-3 times a day for atleast 7 days.

SHELF LIFE

12 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOPLAST RMM/CS

Polymer Modified, Ready Mix Mortar for AAC blocks & many other Substrates

ASCOPLAST RMM/CS is a pre-mixed cement based solution which substitutes the traditional site mix wall plaster process. The solution consists of particle size distributed & graded sand containing some coarse sand on 3.35 mm sieve mixed with cement & water soluble polymers which act as additives.

ASCOPLAST RMM/CS (CS) is a premixed solution to substitute for the traditional site mix wall plaster process. The solution consist of particle size distributed & graded sand mixed with cement & water soluble polymers which act as additives.

RECOMMENDED APPLICATIONS

- Fly Ash Blocks (AAC)
- Conventional Walls/Aluminum form work based Walls
- Clay Bricks Walls
- Natural Stone Walls
- RCC Walls

PRODUCT KEY FEATURES

PRE-MIXED

COST EFFECTIVE

GRADED DRY SAND

EXCELLENT ADHESION

REDUCED REBOUND LOSS

TECHNICAL PROPERTIES[1] *(Complies to ASTM C 109, ASTM C 1660(9), (IS-4031))*

Max. Aggregate Size	: 3.5 mm
Appearance	: Greyish Granular Powder
Bulk Density	: 1600 ± 50 (Kg/m^3)
Compressive Strength	: ≥ 7.5 N/ mm^2 @ 28 Days
Pull of Adhesion	: ≥ 0.6 N/ mm^2 @ 10 mm thickness in moist condition for 28 days
Silt Content in Sand	: < 1%
Setting Time	: Initial: 4 hours ± 15 minutes
	Final: 5 hours ± 15 minutes
Consistency	: 110 - 120 mm (Using Standard flow table)
Water Demand	: 15 - 18 %
Thickness of Single Layer	: 6 - 12 mm
Pot Life	: 60 minutes (Maximum)
Recommende Coats	: 1 for Internal, 2 for External

COVERAGE

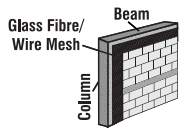
16 - 17 ft^2 / 40 Kg bag @ 10 - 12 mm thickness (AAC BLOCKS)

[1]Recommended single coat thickness is ≥ 8mm but 6 mm can be applied upon appropriate technical advice.

40 Kg

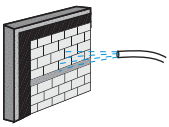
PREPARATION & APPLICATION GUIDELINES[2]

Concrete & Block Joints



All concrete & Block joints must be covered with a glass fibre mesh.

SSD Conditioning

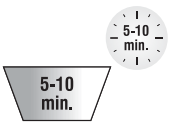


Pre-wet the wall before the application.

Addition & Mixing

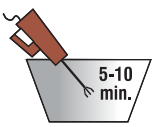
In 15-18% water add mortar slowly and mix for 5 -10 minutes by electrical mixer to mix homogeneously

Leave to Slake



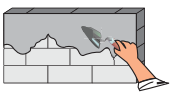
Allow mortar to slack for 5 minutes

Remixing



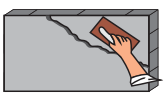
Remix the material for 2-3 minutes. Now RMM is ready to use.

Apply Dash Coat



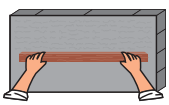
Apply the dash coat of mixture on wall using thapi.

First/Second Coat



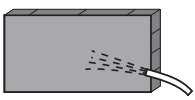
Apply the 1st coat of Mixture. Ensure levelling. Apply 2st coat, if required.

Levelling



After final coat ensure proper levelling with the help of appropriate tools.

Water Curing



After the plaster is dry, curing should be done 2-3 times a day for atleast 7 days.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

** In case substrate is smooth & dense (RCC) application of Ascoplast Bond as a bonding agent is recommended to avoid debonding.*

ASCOPLAST RMM FR/WP

Polymer Modified, Ready Mix Mortar for AACblocks or many other Substrates

ASCOPLAST RMM FR/WP is a pre-mixed cement based solution which substitute for the traditional site mix wall plaster process. It additionally contains fibers which improves the strength & makes the plaster highly water resistant & weather resistant.

ASCOPLAST RMM FR/WP is a premixed cement based water proofing plaster to substitute traditional cement sand wall plaster. The high grade waterproofing plaster consists of fully dry and graded sand proportionately mixed with 53 grade cement, integral water proofing powder polymers, fibres and self curing additives.

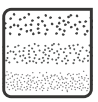
RECOMMENDED APPLICATIONS

- Fly Ash Blocks (AAC)
- Aluminum form work based Walls
- Clay Bricks Walls, Stone Walls, RCC Walls
- Swimming pools/water bodies
- Basment Walls
- Brick Bat Coba Waterproofing

PRODUCT KEY FEATURES

EXCELLENT WORKABILITY

EXCELLENT WATER RESISTANCE



GRADED DRY SAND

HIGHLY DURABLE

REDUCED REBOUND LOSS

TECHNICAL PROPERTIES[1] *(Complies to ASTM C 109, ASTM C 1660(9), (IS-4031))*

	RMM FR	RMM WP
Appearance	: Greyish Granular Powder	
Silt Content in Sand	: < 1%	: < 1%
Consistency	: 110 - 120 mm (Using Standard flow table)	
Water Demand	: 15 - 18 %	
Thickness of Single Layer	: 6 - 12 mm	
Density	: 1600 ± 50 (Kg/m^3)	: 1700 ± 50 (Kg/m^3)
Pull of Adhesion	: ≥ 0.60 N/ mm^2 @ 10 mm thickness in moist condition for 28 days	: ≥ 0.60 N/ mm^2 @ 10 mm thickness in moist condition for 28 days
Max. Aggregate Size	: 3.5 mm	: 3.5 mm
Compressive Strength	: ≥ 7.5 N/ mm^2 @ 28 days	: ≥ 15 N/ mm^2 @ 28 days
Setting Time	: Initial: 4 hours ± 15 minutes	: Initial: 4 hours ± 30 minutes
	: Final: 5 hours ± 15 minutes	: Final: 5 hours ± 30 minutes
Pot Life	: 60 ± 5 minutes	: 50 ± 5 minutes
Capillary Absorption Coefficient	: N.A	: < 0.2

COVERAGE

16 - 17 ft^2 / 40 Kg bag @ 10 - 12 mm thickness

READY MIX MORTAR COATS

Internal :

10 - 15 mm single coat is recommended for internal plaster covering

External :

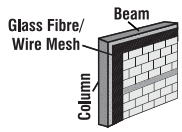
Two coats are recommended to cover the external side of walls i.e. Base coat of 10 - 15 mm & Finish coat of 8 - 10 mm, total thickness of around 20 - 22 mm

40 Kg

[1]Recommended single coat thickness is ≥ 8mm but 6 mm can be applied upon appropriate technical advice.

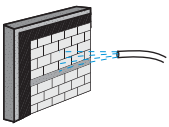
PREPARATION & APPLICATION GUIDELINES[2]

Concrete & Block Joints



All concrete & Block joints must be covered with a glass fibre mesh.

SSD Conditioning

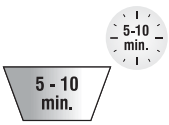


Pre wet the wall before the application.

Addition & Mixing

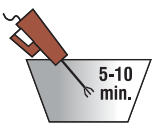
In 15-18% water add mortar slowly and mix for 5 -10 minutes by electrical mixer to mix homogeneously

Leave to React



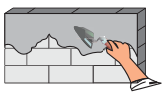
Allow mortar to slack for 5 minutes.

Remixing



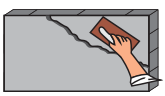
Remix the material for 2-3 minutes. Now RMM is ready to use.

Apply Dash Coat[3]



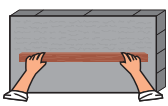
Apply the dash coat of mixture on wall using thapi.

First/ Second Coat



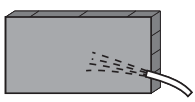
Apply the 1st coat of Mixture. Ensure levelling. Apply 2nd coat, if required.

Levelling



After final coat ensure proper levelling with the help of appropriate tools.

Water Curing



After the plaster is dry, curing should be done 2-3 times a day for atleast 7 days.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

[1] The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

[2] Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

** In case substrate is smooth & dense (RCC) application of Ascoplast Bond as a bonding agent is recommended to avoid debonding.*

GYPBOND

Bonding Agent for Chemical & Mechanical Key With Gypsum & RCC Substrates

Gypbond is a light green coloured liquid, ready to use, high build bonding agent for adhering Gypsum plaster to a variety of surfaces.

Gypbond enables a mechanical key & chemical bond to Gypsum ensuring excellent grip with the substrate.

AREA OF APPLICATIONS

- Conventional RCC wall/Aluminum form work base Walls
- Fly Ash Blocks (AAC), Concrete Block Walls, etc.
- Gypsum Materials Like: Dry Wall, Gypsum Board, Etc.

PRODUCT KEY FEATURES

NO HACKING REQUIRED

DUAL-BONDING

RELIABLE GRIP

HIGHLY VISIBLE GREEN

VERSATILE USE

TECHNICAL PROPERTIES[1] *(Complies to ASTM C 109, ASTM C 1660(9))*

Appearance, Colour	: Liquid in viscous form, Light green in colour
Density at 27 ºC	: 1.20 - 1.25 g/ cc
Brookfield Viscosity	: 1600 ± 200 CPS
Solid	: 40 ± 2 %
Drying Time	: 25 - 30 minutes
Adhesion	: Excellent, Mechanical + Chemical Bond
pH	: 9.5
Touch Dry Time	: 60 ± 15 minutes
Frost Resistance	: Protect From Freezing
Pull off	: ≥ 1.5 N/ mm^2

COVERAGE

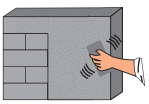
Types of Surface	Porosity	Approximate Coverage in ft^2 / Kg	Approximate Coverage in m^2 / Kg
RCC	Low	30 - 40	2.7 - 3.7
AAC/ WALL	High	20 - 25	1.8 - 2.3

5 & 20 Kg

[1]*Recommended single coat thickness s ≥ 8mm but 6 mm can be applied upon appropriate technical advice.*

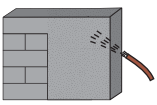
PREPARATION & APPLICATION GUIDELINES[2]

Surface Preparation



Clean the surface to remove dirt,oil,or foreign materials which are stuck to the surface.

SSD Conditioning

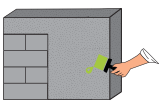


Pre wet the wall before the application.

Addition & Mixing

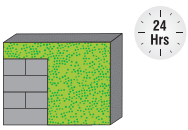
Mix the material thoroughly & homogenously just before use.

Application



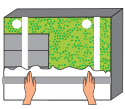
Apply gypbond by roller or brush.

24hrs Drying



Leave it to dry for at least 24 hours.

Apply Gypusm



Apply gypusm plaster for upto 10 days of gypbond application.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOPUTTY

Highly polymer modified wall putty for interior & exterior surface

ASCOPUTTY is a highly polymer modified, self-curing efflorescence resistant white cement based wall putty. It produces smooth & consistent paste when mixed with water. Being water resistant it can be used externally on concrete/cement plastered walls & ceiling.

It is the fine pores of the cementitious substrates that provides a white, smooth finished surface required for painting. It can be applied on fresh plaster/moist surface. **ASCOPUTTY** has excelent adhesion strength, durability & enhances life of paints.

RECOMMENDED APPLICATIONS

- Interior & exterior surface of concrete
- Plastered walls & ceiling
- Gypsum Plasterd Wall

PRODUCT KEY FEATURES

NO CHALKING | HIGHLY DURABLE | EXCELLENT WATER RESISTANT | VERSATILE APPLICATION | SELF-CURING

TECHNICAL PROPERTIES[1] *(Ref : IS 17545 - 2021)*

Appearance	: White Powder
Density	: 1050 ± 50 kg/ m^3
Water Demand	: 35 - 44%
Setting Time	: Initial Setting time: Minimum 180 minutes
	: Final Setting time: Maximum 500 minutes
Whiteness	: 88 ± 2
Water Retentivity	: 99%
Potlife	: 2 hrs
Drying Time	: 40 - 50 minutes
Passing Through 90 Micron	: ≥ 99 %
Compressive strength	: ≥ 10 N/ mm^2
Tensile Adhesion Strength Dry	: ≥ 1 N/ mm^2

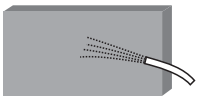
COVERAGE

21 - 24 ft^2 / mm / kg

1, 5, 20 & 40 Kg

PREPARATION & APPLICATION GUIDELINES[2]

Surface Preparation



Pre-wet the plastered/RCC wall before application.

Pour Water

In a clean bucket take 35-44% of water.

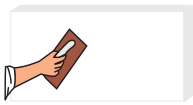
Blending

Add Ascoputty slowly into water & mix thoroughly for 5-10 minutes by electrical mixer to make smooth lump- free paste.

Application

Apply material paste on wall with the help of trowel to a thickness of about 0.5 - 1 mm.

First coat

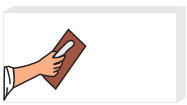


Level & smoothen the surface. Cure the first coat lightly after it dries.

Second coat

Apply the second coat of 0.5 -1 mm after the first coat has fully dried & set.

Levelling



The thickness of each coat should not exceed 1 mm & total thickness should not exceed 2 mm.

Smoothening

Smoothen with a steel trowel, Sand paper if so desired with suitable set of sand papers

Final finish

Wall is ready for putty & paint application.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCORENDER

Pre Mixed Self Curing Base Coat For Leveling Unevenness of Ceiling Wall

ASCORENDER is a highly polymer modified, self-curring & efflorescence resistant white/grey cement based coarse wall putty.

ASCORENDER covers up the coarseness, undulations, imperfections & pinholes on the plastered surface. It can be applied on fresh plaster/moisture surface. Thickness of **ASCORENDER** per coat should be minimum of 5-8 mm. Maximum thickness should not be more than 4-12 mm

RECOMMENDED APPLICATIONS

- Interior & Exterior surface of AAC blocks & concrete
- Cement plastered walls & ceiling
- Brick Wall
- Pre Cast Panels
- Fly Ash Brick Wall
- Concrete Block Wall

PRODUCT KEY FEATURES

NO CHALKING

SELF CURING

EXCELLENT ADHESION

EXCELLENT WATER RESISTANT

SUITABLE FOR DAMP CONCRETE/PLASTER

TECHNICAL PROPERTIES[1]

Appearance	: White Powder & Grey Powder
Compressive strength	: > 10 N/ mm^2
Setting Time	: 60 - 80 minutes
Tensile Adhesion Strength Dry	: > 1.0 N/ mm^2
Tensile Adhesion Strength Wet	: > 0.85 N/ mm^2
Whiteness	: > 85 % (White powder)
Water Retentivity	: > 98 %
Water Demand	: 24 ± 1 %
Pot life	: 40 - 60 minutes

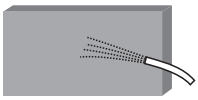
COVERAGE

2.5 -3.5 ft^2 / kg at 4 mm thickness. (On AAC Block)

30 & 50 Kg

PREPARATION & APPLICATION GUIDELINES[2]

Surface Preparation



Clean & pre-wet the plastered wall before application.

Pour Water

In a clean bucket take 23-25% of water

Blending

Add Ascorender slowly into water & mix thoroughly for 5-10 minutes by electrical mixer to make smooth lump- free paste.

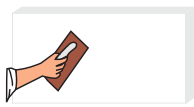
Prepare Bull Marks

Prepare gypsum patti before application of material

Application of Material

Apply material paste on wall with the help of trowel to a thickness of about 3-5 mm.

First coat

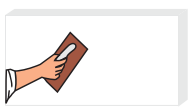


Level & smoothen the surface. cure the first coat lightly after it dries.

Second coat

Apply the second coat of 3-5 mm after the first coat has fully dried & set

Levelling



The thickness of each coat should not exceed 5 mm & total plaster thickness should not exceed 10 mm.

Smoothning & Finishing

Smoothen the surface. Wall is ready for putty & paint application.

SHELF LIFE

6 months from the production date if stored in original, unopened packaging, in places protected from moisture, sun exposure & frost.

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

ASCOGROUT® 50 GG

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

ASCOGROUT® 50 GG is a specially engineered, cement-based, fiber containing, non-shrink gun-grade grout. This high-performance cementitious grout features low water requirements & high compressive strength, ensuring ease of application. Its gun-grade formulation allows for easy use in hard-to-reach areas, making it ideal for various applications. Supplied as a ready-to-use dry powder, it requires only the addition of water for wide range of applications. This is also suitable for concrete crack repair in demanding applications.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

Structural Applications: Tie Rod Holes, Crack Repair In RCC Structures, Filling Gaps In RCC & Pre-Cast Concrete.

Support Applications: Bearing Plates & Anchoring Applications.

SUITABLE SUBSTRATES:

- RCC, PCC, Pre-Cast Concrete & In-Situ Concrete.

PRODUCT KEY FEATURES

NON-SHRINK GROUT

HIGH EARLY STRENGTH

SELF CURING

CRACK RESISTANT

GUN GRADE APPLICATION

TECHNICAL PROPERTIES[1] *(ASTM C 109, IS 4031-Part-6, IS 2770, ASTM C 469)*

Appearance	: Free Flowing Grey Powder
Water Powder Ratio	: 23 ± 2 % Gun Grade
Fresh Wet Density	: 1950 ± 100 Kg / mm^3
Initial Setting Time	: 4 - 5 hours
Final Setting Time	: 5 - 7 hours
Compressive Strength @ 1 day	: ≥ 7 N / mm^2
@ 7 days	: ≥ 18 N / mm^2
@ 28 days	: ≥ 50 N / mm^2
Flexural Strength @ 28 days	: ≥ 5 N / mm^2
Pot life	: 80 minutes

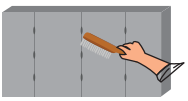
YIELD

15 - 16 ℓ / 30 Kg @ 0.21 - 0.25 W/P Ratio

30 & 50 kg

PREPARATION & APPLICATION GUIDELINES[2]

Clean & wet



Clean the surface with wire brush and SSD to ensure a good bond.

Addition & Mixing

Initially take 20±1% of water; then add Ascogrout 50 GG.

Blending

After partially mixing, add the remaining 2 - 3% water to reach the desired consistency & continue mixing for an additional 2 to 3 minutes.

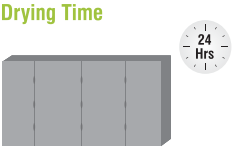
Application

Use suitable caulking gun or pump for filling the tie rod holes.

Finishing

Applied area to be smoothened using spatula or trowel.

Drying Time



Leave it to dry for at least 24 hours.

SHELF LIFE

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

1. The Values obtained are from our laboratory testing conditions. Tests conducted on site conditions may show slight variation due to methods of testing/application.

2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

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

ASCOGROUT® 65

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

ASCOGROUT® 65 is a specially formulated, multipurpose, non-shrink cementitious grout designed for precision applications. It offers versatility across consistencies, ranging from flowable to trowelable, while maintaining superior performance. This advanced grout delivers high early & ultimate strength, plastic expansion & excellent substrate adhesion. With a low water demand, **ASCOGROUT® 65** ensures enhanced durability & long-lasting performance, making it ideal for high-strength & reliable grouting solution.

APPLICATION COMPATIBILITY

APPLICATION AREAS:

Structural Repair & Reinforcement Applications: Filling Gaps in RCC, Pre-cast Concrete, Post Fixing, Anchoring Reinforcement, Crack Filling, Patching & Repair Applications.
Support Applications: Bearing Plates, Steel Columns & Anchoring Applications.

SUITABLE SUBSTRATES:

- RCC, PCC, Pre-Cast Concrete & In-Situ Concrete.

PRODUCT KEY FEATURES

NON-SHRINK GROUT

HIGH EARLY STRENGTH

FREE FLOWING GROUT

EXCELLENT BOND STRENGTH

NON-TOXIC & NON-CORROSIVE

TECHNICAL PROPERTIES[1]

(ASTM C 928,ASTM C 109, IS 4031- part 6, BS 1881, part 116, IS 2770, ASTM D 469 - 94)

Appearance		: Non-Metalic, Free Flowing Grey Powder
Water Powder Ratio		: Flowable: 16 ± 1 % | Pourable: 18 ± 1 %
Fresh Wet Density		: 2200 ± 100 Kg/ m^3
Pot Life		: 50 ± 10 minutes
Workability		: 25 ± 5 minutes
Initial Setting Time		: 2 - 3 hours
Layer Thickness		: 20 - 80mm (Single Pour)
Water Curing		: 7 Days minimum
Compressive Strength	**@ 1 day**	: ≥ 26 ± 1 N/ mm^2
	@ 7 days	: ≥ 53 ± 1 N/ mm^2
	@ 28 days	: ≥ 67 ± 1 N/ mm^2

YIELD

Flowable: 13 ± 1 ℓ / 25 Kg Bag
Pourable: 14 ± 1 ℓ / 25 Kg Bag

30 & 50 kg

PREPARATION & APPLICATION GUIDELINES[2]

Surface Preparation

Clean the surface with wire brush and SSD to ensure a good bond.

Addition & Mixing

In a clean bucket take 16% water and then add Ascogrout 65.

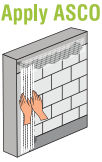
Blending

Thoroughly mix total quantity material for 2-3 minutes

Application

Apply the grout using thapi from one side only to avoid air entrainment.

Apply ASCOGLASS FR

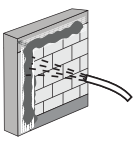


Apply ASCOGLASS FR to prevent the cracking.

Second coat

Apply the second coat of 3-5 mm thikness after the first coat has fully dried & set with ASCOGLASS FR

Water Curing



Curing should be done 2-3 times a day for atleast 7 days.

SHELF LIFE

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

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2. Illustrations should be treated as guidelines only, kindly refer TDS for detailed method statement before product usage.

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

NOTES

NOTES

WALLING SOLUTIONS

WATERPROOFING SYSTEMS

TILE & STONE INSTALLATION SOLUTIONS

STRUCTURAL REPAIRS, SEALANTS & GROUTS

PROTECTIVE COATINGS

Aswani Industries Pvt. Ltd.

Corporate Office

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