ascolite®
A Better Solution

WALLING SOLUTIONS

Experience the Ascolite Advantage...

Ascolite has a competitive edge since its products are backed by years of professional experience and competence. Customers are satisfied as a consequence of our insights and cutting-edge service standards.

The company's mantra is "Growing Relationships," and our culture of living by core values has demonstrated our dependability among stakeholders.

SPEED & CONSISTENCY
GUARANTEED

Content

OUR GROUP

Ascon Group of Developers

Headquartered in Surat (Gujarat) the group has over 4 decades of experience and is a diversified business group, comprising of construction, manufacturing, processing and trading.

Ascolite:
Since 2012.
Manufacturing & supplying of building materials.

Ascon Realty:
Since 1995..
Developing premium high rise towers in the city of Surat, under the brand 'SURYA'.

Geetatex:
Since 1980.
Trading of sarees & dress materials to textile processing & embroidery.

ABOUT ASCOLITE

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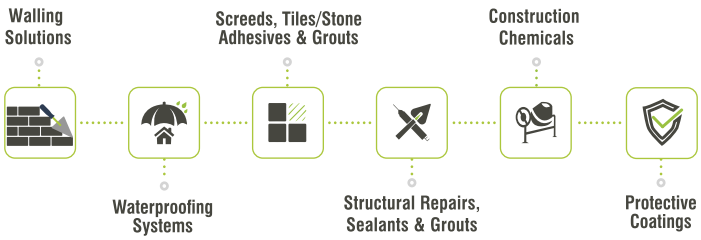
Aswani Industries Private Limited

Ascolite is marketed by Aswani Industries Pvt. Ltd. (formerly known as Aswani Construction Pvt. Ltd.) The introduction of Ascolite was a new direction by the group to vertically growing to building materials from construction.

The first step taken to promote Ascolite was by establishing the largest state of-the-art Fly Ash Blocks (Aerated Autoclave) manufacturing facility at Surat (Gujarat) & today Ascolite has over 100 products in Walling, Tile-fixing, Waterproofing & Construction Chemicals.

PRODUCT RANGE

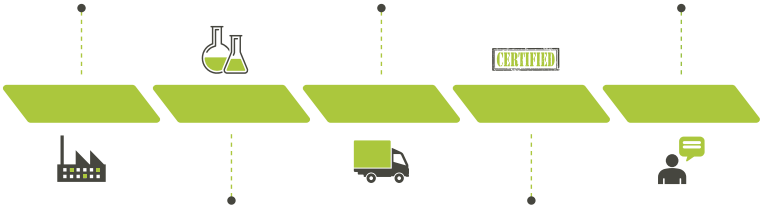


ASCOLITE ADVANTAGE

Production Capacity
State of the art production facilities for :
- Fly Ash Blocks (Aerated Autoclaved)
- Dry-Mix Products
- Construction Chemicals

Own Fleet of Vehicles
Commendable fleet strength of our own, which empowers us to deliver material on time.

Technical Assistance
The aim of educating industry people on finer aspects of new age construction materials & its application



State of the art R & D Lab
Industry edge-cutting, well equipped R & D centre in Surat (Gujarat)

Quality Certified Products
We take a holistic approach to quality & consistency, which is key to the company's entire philosophy.

CORE IDEOLOGY

Core Purpose
To encourage & 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

CUSTOMERS

Over 500 satisfied customers which include :

Architects & Engineers | Developers | Contractors | Channel Partners | Retailers

Residential | Commercial | Institutions | Industries | Repairs

FLY ASH BLOCKS

Aerated Autoclaved Blocks for Masonry

CM/L-7200203084

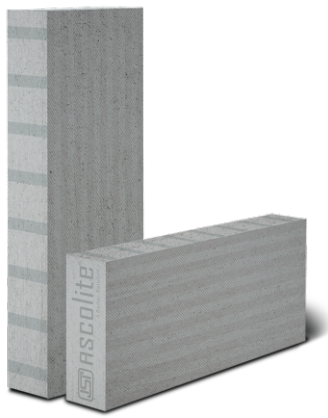
- Fly Ash Blocks (Aerated Autoclaved) are used as a substitute against conventional building masonry such as red clay bricks & have been widely accepted globally because of their beneficial properties.
- The aerating is caused by a reaction of a mix of various materials mainly consisting of silica (through fly-ash) quicklime, cement & others. Fly Ash Blocks (Aerated Autoclaved) consist of around 80% air, this aerated material is processed through autoclaving which entails high pressurized curing of aerated materials formed in cellular shapes.

FLY ASH BLOCKS (AERATED AUTOCLAVED) COVERAGE[1]

Size (mm)	QUANTITY OF BLOCKS		
L H W	100 m^2	100 Ft^2	1 m^3
650×250×75	615.38	57.17	82.05
650×250×100	615.38	57.17	61.54
650×250×125	615.38	57.17	49.23
650×250×150	615.38	57.17	41.03
650×250×200	615.38	57.17	30.77
650×250×225	615.38	57.17	27.35
650×200×100	769.23	71.46	76.92
650×200×125	769.23	71.46	61.54
650×200×150	769.23	71.46	51.28
650×200×200	769.23	71.46	38.46
650×200×225	769.23	71.46	34.19
600×200×100	833.33	77.42	83.33
600×200×150	833.33	77.42	55.56
600×200×225	833.33	77.42	37.04

KEY FEATURES & BENEFITS

- Bigger in size
- Thermal insulation
- Fire Resistant
- Better Compressive Strength
- Rough Surface
- Technical assistance



[1] *Coverage of commonly used sizes have been illustrated in the table.*

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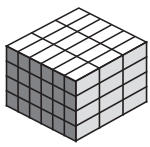
TECHNICAL SPECIFICATIONS[1] *(Complies to IS 2185 (3) & IS 6441)*

Particulars	Units	Values
Size (Length × Height)	mm	650/600 × 250/200
Size (Width)	mm	75, 100, 125, 150, 200, 225, 250, 300
Size Tolerance (Maximum)	mm	±3 (Width & Height) & ±5 (Length)
Compressive Strength	N/mm^2	G1: ≥4.0 | G2: ≥3.3
Oven Dry Density	Kg/m^3	560 - 640
Fire Resistance	Hours	4 (for 150 mm thick wall without plaster)
Thermal Conductivity (K Value)	W/mk	0.16 - 0.21
Sound Reduction	dB	37 - 42
Modulus of Elasticity	Mpa	2040
Thermal Resistance (R Value)	$m^2.K/W$	0.95 (200 mm Width) @ K = 0.21 W/mK
Thermal Conductance (U Value)	W/m^2K	1.05 (200 mm Width) @ K = 0.21 W/mK
Drying Shrinkage (Maximum)	%	0.04
Sound Transmission Class Rating	dB	44
Capillary Water Absorption	gm/dm^2	180

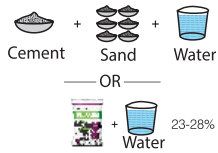
PREPARATION & APPLICATION GUIDELINES[2]

Stacking



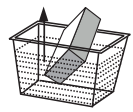
Stack on dry & even surface to avoid damage & contact with moisture

Mortar for Masonry



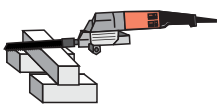
Thin Bed Adhesive (Premixed) (ASTM C 1660-09).

Wetting of Blocks before application



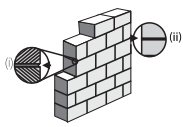
Dip in water & lift immediately.

Cutting of Block



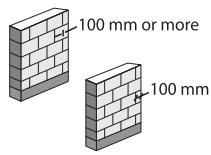
Use tool like hacksaw or rotary cutter.

Mortar Thickness

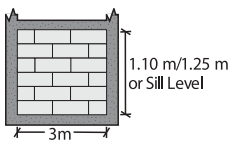


(I) Pre-mix Med Bed : 5-6 mm
(ii) Pre-mix Thin Bed : 2-3 mm

Bond Pattern

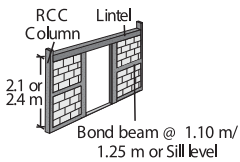


Coping Beam



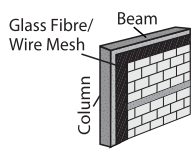
Coping beam with 2 nos 8 mm rein force cement after 1.2 mts. height.

Lintel Support



Lintel support on full block.

Beam & Column Junctions



It should cover 6 " on both the surfaces (Internal & External)

[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.*

[3] *Illustrations should be treated as guidelines only, kindly refer TDS and IS 6041 for detailed method statement before product usage.*

ASCOFIX BJM

Pre - Mixed & Non - Shrink Block Jointing Mortar

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

RECOMMENDED APPLICATIONS

- Fly Ash Blocks (Aerated Autoclaved)
- Concrete blocks
- Hollow blocks

BLOCK JOINTING MORTAR COVERAGE[1]

Size (mm) L H W	Jointing surface area of 1 block (Ft^2)	Mortar required in Kg/Block (170 Ft^2/40 Kg)
650×250×75	1.45	0.35
650×250×100	1.94	0.46
650×250×125	2.42	0.58
650×250×150	2.91	0.69
650×250×200	3.87	0.93
650×250×225	4.36	1.04
650×200×75	1.37	0.33
650×200×100	1.83	0.44
650×200×125	2.29	0.55
650×200×150	2.74	0.66
650×200×200	3.66	0.87
650×200×225	4.12	0.98

KEY FEATURES & BENEFITS

- Non-Shrink
- Self-curing
- Economic
- Excellent adhesion
- Good workability
- Suitable for all types of blocks
- Consistent quality

Packaging : Available in 30 & 40 Kg bag

[1]*The quantity ascertained is without the consideration of wastage and coping.*

Thickness of Mortar considered is approx. 2.5 mm in the above calculation.

Calculations of only standard sizes are given, for the rest of the sizes kindly view our website or contact our company executive.

The result of 170 ft^2 per 40 Kg of Mortar was derived after a demo wall built at our Laboratory.

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

Apperance	: Grey powder
Compositon	: Cement, fine graded aggregates & special additives
Open time	: ≥ 30 minutes
Pot Life	: 60 minutes @ 28% water
Water ratio	: 23 - 28%
Bulk density	: 1600±50 Kg/m^3
Compressive strength	: ≥ 6 N/mm^2 @ 28% water without Vibration
Split Adhesion Tensile Strength (ASTMC-1660 part-9)	: ≥ 0.40 N/mm^2 for Joint thickness 2 - 3 mm (Required 0.34 - 0.40 N/mm^2 Minimum)
Water Retentivity on AAC	: 90 - 100 %
Pull off Adhesion Strength	: ≥ 0.50 N/mm^2 @ 28 days
Maximum size of Particle	: 1.18 mm

PREPARATION & APPLICATION GUIDELINES[2]

Mortar Mixing

In a clean bucket mix Ascofix BJM in 23 - 28 % of water

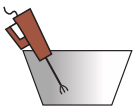
Mixing by Mixer or Tool

Mix first for 5 - 10 minutes by electrical mixer to mix homogeneously

Reaction Time

Allow mortar to react for 5 minutes

Remixing

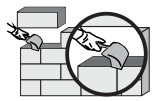


Mix agian for 2 - 3 minutes Now thin bed mortar is ready to use.

Wet Surface

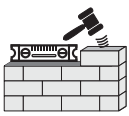
Wet the surface of blocks before applying mortar.

Mortar Spread



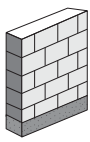
Mortar should be spread on all sides of block maintaining bond thickness of 2 - 3 mm, using a notched trowel.

Alignment



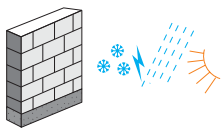
Use Spirit Level & fibre hammer to remove any air gaps in between blocks for proper jointing & alignment.

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, allow stand - alone time accordingly.

SHELF LIFE

06 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.*

ASCOFIX TBM

Specially Developed High Bond Thin Bed Mortar for Fixing of Blocks

- **ASCOFIX TBM** is a pre-mixed high quality Thin Bed Jointing Mortar for AAC (Autoclaved Aerated) blocks or equivalent **ASCOFIX TBM** premix consists of cement, graded sand & specialized polymers which combine to give superior strength, water retention & stability. 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

- Fly Ash Blocks (Aerated Autoclaved)
- Concrete blocks
- Hollow blocks

BLOCK JOINTING MORTAR COVERAGE[1]

Size (mm) L H W	Jointing surface area of 1 block (Ft^2)	Mortar required in Kg/Block (170 Ft^2/40 Kg)
650×250×75	1.45	0.35
650×250×100	1.94	0.46
650×250×125	2.42	0.58
650×250×150	2.91	0.69
650×250×200	3.87	0.93
650×250×225	4.36	1.04
650×200×75	1.37	0.33
650×200×100	1.83	0.44
650×200×125	2.29	0.55
650×200×150	2.74	0.66
650×200×200	3.66	0.87
650×200×225	4.12	0.98

KEY FEATURES & BENEFITS

- Non-Shrink
- Thin joint
- Pre-Mixed
- Self-curing properties
- Slow initial setting mortar
- Higher coverage in comparison to conventional mortar

Packaging : Available in 40 Kg Sealed bag

[1]The quantity ascertained is without the consideration of wastage and coping.

Thickness of Mortar considered is approx. 2.5 mm in the above calculation.

Calculations of only standard sizes are given, for the rest of the sizes kindly view our website or contact our company executive.

The result of 170 ft^2 per 40 Kg of Mortar was derived after a demo wall built at our Laboratory.

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

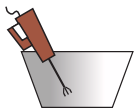
Apperance	: Grey powder
Compositon	: Cement, fine graded aggregates & special additives
Open time	: ≥ 30 minutes
Pot Life	: 60 minutes @ 28% water
Water ratio	: 23 - 28%
Bulk density	: 1600±50 (Kg/m^3)
Compressive strength	: ≥ 8 N/mm^2 @ 28% water without Vibration
Split Adhesion Tensile Strength (ASTMC-1660 part-9)	: ≥ 0.60 N/mm^2 for Joint thickness 2 - 3 mm (Required 0.34 - 0.40 N/mm^2 Minimum)
Water Retentivity on AAC	: 95 - 100%
Pull off Adhesion Strength	: ≥ 0.70 N/mm^2 @ 28 days
Maximum size of Particle	: 1.18 mm

PREPARATION & APPLICATION GUIDELINES[2]

Mortar Mixing

In a clean bucket mix Ascofix TBM in 23 - 28 % of water

Mixing by Mixer or Tool

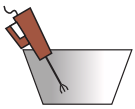


Mix first for 5 - 10 minutes by electrical mixer to mix homogeneously

Reaction Time

Allow mortar to react for 5 minutes

Remixing

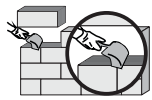


Mix agian for 2 - 3 minutes Now thin bed mortar is ready to use.

Wet Surface

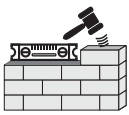
Wet the surface of blocks before applying mortar.

Mortar Spread



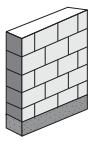
Mortar should be spread on all sides of block maintaining bond thickness of 2 - 3 mm, using a notched trowel.

Alignment



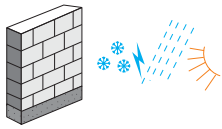
Use Spirit Level & fibre hammer to remove any air gaps in between blocks for proper jointing & alignment.

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, allow stand - alone time accordingly.

SHELF LIFE

06 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.*

ASCOFIX GPM

High Performing, Self Curing, Medium Bed Block Jointing Mortar

- **ASCOFIX GPM** is a premixed high quality self - curing Medium bed mortar for jointing for AAC Blocks (Autoclaved Aerated Concrete 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 (Aerated Autoclaved)
- Concrete blocks
- Hollow blocks
- Clay bricks
- Fly ash bricks

BLOCK JOINTING MORTAR COVERAGE[1]

Size (mm) L H W	Jointing surface area of 1 block (Ft^2)	Mortar required in Kg/Block (75 Ft^2/40 Kg)
650×250×75	1.45	0.79
650×250×100	1.94	1.06
650×250×125	2.42	1.32
650×250×150	2.91	1.59
650×250×200	3.87	2.12
650×250×225	4.36	2.38
650×200×75	1.37	0.75
650×200×100	1.83	1.00
650×200×125	2.29	1.25
650×200×150	2.74	1.50
650×200×200	3.66	2.00
650×200×225	4.12	2.25

KEY FEATURES & BENEFITS

- Medium joints
- Semi premix
- Self-Curing properties
- Slow intial setting mortar
- Strength designed to suit flyash bloks
- Higher coverage in comparison to conventional mortar
- Technical assistance

Packaging : Available in 40 Kg Sealed bag

[1] *The quantity ascertained is without the consideration of wastage and coping.*

Thickness of Mortar considered is approx. 2.5 mm in the above calculation.

Calculations of only standard sizes are given, for the rest of the sizes kindly view our website or contact our company executive.

The result of 75 ft^2 per 40 Kg of Mortar was derived after a demo wall built at our Laboratory.

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

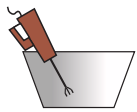
Apperance	: Grey powder
Water ratio	: 23 - 28%
Bulk density	: 1600±50 Kg/m^3
Compressive strength	: ≥ 6 N/mm^2 @ 28% water without Vibration
Split Adhesion Tensile Strength (ASTM C-1660 part-9)	: ≥ 0.40 N/mm^2 for Joint thickness 2 - 3 mm (Required 0.34 - 0.40 N/mm^2 Minimum)
Water Retentivity on AAC	: 90 - 100 %
Pull off Adhesion Strength	: ≥ 0.50 N/mm^2 @ 28 days
Particle size	: ≤ 3 mm
Slit Content in Sand	: NIL
Bed Thickness	: 5 - 6 mm

PREPARATION & APPLICATION GUIDELINES[2]

Mortar Mixing

In a clean bucket mix Ascofix GPM in 16-18 % of water

Mixing by Mixer or Tool

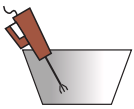


Mix first for 5 - 10 minutes by electrical mixer to mix homogeneously

Reaction Time

Allow mortar to react for 5 minutes

Remixing

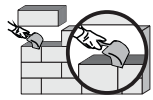


Mix agian for 2 - 3 minutes Now thin bed mortar is ready to use.

Wet Surface

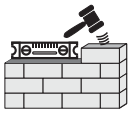
Wet the surface of blocks before applying mortar.

Mortar Spread



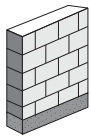
Mortar should be spread on all sides of block maintaining bond thickness of 5 - 6 mm, using a notched trowel.

Alignment



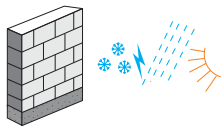
Use Spirit Level & fibre hammer to remove any air gaps in between blocks for proper jointing & alignment.

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, allow stand - alone time accordingly.

SHELF LIFE

06 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 BOND

Excellent Bonding Agent For Plastering

- **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

- **ASCOPLAST BOND** may be applied over masonry, concrete, brick, block, stone, plaster, drywall, pre-cast concrete, wood, tile & other structurally sound surfaces.
- For bonding between palstering / tiling over concrete surface.
- General reconstruction work.

KEY FEATURES & BENEFITS

- Excellent bonding between new plaster & old or new concrete
- Increse bond strength
- Can be applied over “green” concrete
- Provides enhanced & fortified adhesion to a wide variety of cement substrates
- Improves workability & adhesion
- Reduce rebound loss, Minimizes sagging
- Non-flammable & VOC compliant

COVERAGE

45 - 50 ft^2/ℓ (On RCC)

Packaging : Available in 1, 5, 10, 20 & 50 ℓ bucket

TECHNICAL SPECIFICATIONS[1] *(Complies to ASTM C 109)*

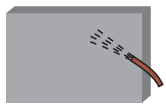
Appearance	: Light Green Liquid
pH	: 8 to 9
Density	: 1.02 ± 0.02 Kg / ℓ
DFT	: 50 ± 5 micron per coat
Dilution	: Strictly Prohibited

PREPARATION & APPLICATION GUIDELINES[2]

Cleaning

Clean the concrete surface for any dirt, oil or foreign material stuck the surface.

Pre-Wetting



Can do slight surface wetting of dry concrete with water.

Stir & Blend

Mix the material thoroughly & homogenously just before use.

Apllication

Using good quality paint brush or Roller

Drying

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

Apply on Wall

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

SHELF LIFE

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

CAUTION

Do not apply plaster on completely dry Ascoplast Bond layer. For proper bonding / adhesion, apply plaster on tacky surface only.

[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.*

READY MIX MORTAR/FR

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

- **READY MIX MORTAR & READY MIX MORTAR (FR)** are a pre-mixed cement-based solution which substitute for the traditional site mix wall plaster process. The solution consists of particle size distributed & graded sand mixed with cement and water soluble polymers which act as additives.
- The application method requires mixing of water before application & the mix is ready for plastering. **READY MIX MORTAR** can be used for both external & internal plastering. **READY MIX MORTAR (FR)** additionally contains fibers & waterproofing additives which improves the strength & makes the plaster highly water resistant & weather resistant.

RECOMMENDED APPLICATIONS

- Fly Ash Blocks (Aerated Autoclaved)
- Conventional Walls/Aluminum form work base Walls
- Clay Bricks Walls
- Stone Walls
- RCC Walls

KEY FEATURES & BENEFITS

- Pre-mixed
- Excellent workability
- Cost Effective
- Ideal for small work
- Raw materials are tested & accurately mixed with specific particle size & quantity
- Graded dry sand
- Excellent adhesion
- Reduced Rebound Loss

READY MIX MORTAR COATS[1]

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 thick ness of around 20 - 22 mm

Packaging : Available in 40 Kg Sealed bag

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

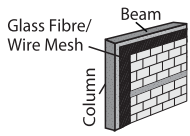
ascolite®
A Better Solution

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

Apperance	: Greyish Granular Powder
Max. Aggregate Size	: 3.5 mm
Bulk Density	: 1600 ± 50 Kg/m^3
Compressive Strength	: ⩾ 7.5 N/mm^2 @ 28 days
Pull of Adhesion	: ⩾ 0.3 N/mm^2 @ 10 mm thickness in moist condition for 28 days
Silt Content in Sand	: < 1%
Setting Time (IS-4031)	: Initial : 4 hours ± 15 minutes } @ 15 - 18% Water demand Final : 5 hours ± 15 minutes }
Consistency	: 110 ~120 mm (Using Standard flow table)
Coverage	: 16 - 17 ft^2 / 40 Kg bag @ 10 - 12 mm thickness
Thickness of Single Layer	: 6 - 12 mm
Pot Life	: ⩾30 minutes (can very on climatic conditions)

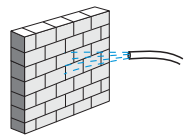
PREPARATION & APPLICATION GUIDELINES[2]

Concrete Blocks Joints



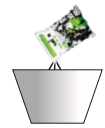
All concrete & Block joints must be covered with a chicken wire mesh.

Wall Wetting



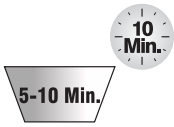
Dampen the wall before application of plaster

Mix Preparation



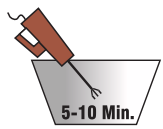
In 6 - 7.2 liters of potable water add 1 bag of Ascolite Ready Mix Mortar

Leave to React



Leave the mix to react for 5 - 10 minutes & remix before use.

Remixing



Machine or hard mixing should be done for 5 - 10 minutes

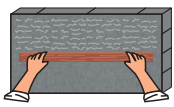
Apply on Wall[3]

The mixture should be thrown on wall. Ensure levelling with the help of tools.

Second Coat

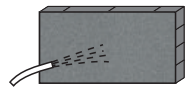
If 2nd coat is required, ensure grooving on first coat to provide good grip for 2nd coat

Levelling



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

Water Curing



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

SHELF LIFE

06 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.

[3] 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 Subsrates

- **Gypbond** is a light green coloured liquid, ready to use, high build bonding agent for adhering Gypsum plaster to a variety of surface.
- **Gypbond** enable a mechanical key & chemical bond to Gypsum ensuring excellent grip with the substrate.

AREA OF APPLICATION

- Conventional RCC wall/Aluminum form work base Walls
- Fly Ash Blocks (Aerated Autoclaved)
- Concrete Block Walls
- Stone Walls
- Gypsum materials like :
  - Dry wall
  - Gypsum board, etc.

COMPARISON

Description	Traditional Method	Ascolite Gypbond
Hacking	Manual - Pointed Hammer - Grinder Machine	Brush or Roller
Application	Lengthy & Costly	Easy & Cost Effective
Bonding / Griping	Only Mechanical Grip	Mechanical & Chemical Grip
Rebounding Mortar /Plaster	High	Very Low

KEY FEATURES & BENEFITS

- Eliminates the need for hacking & clening
- Contains uniformly distributed fine aggregate
- Material is green in colour, enabling visibility
- Can be applied on low to medium suction surfaces
- Better adhesion

Packaging : Available in 5 Kg & 20 Kg Bucket

TECHNICAL SPECIFICATIONS[1] *(Complies to ASTM C 109)*

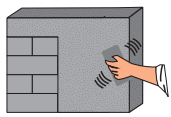
Parameters	Values
Appearance, Colour	Liquid in viscous form, Light green in colour
pH	7 - 8
Density at 27 °C	1.20 - 1.25 Kg/ℓ
Frost Resistance	Protect form Freezing
Drying Time	1 hour
Adhesion	Excellent, mechanical + chemical (Adhesion Strength is increased 2 - 3 times by using Gypbond

COVERAGE

Types of Surface	Porosity	Approximate Coverage in Ft²
RCC	Low	30 - 40
Fly Ash Blocks (Aerated Autoclaved)	High	20 - 25

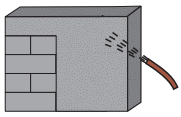
PREPARATION & APPLICATION GUIDELINES[2]

Cleaning



Clean the concrete surface form dirt, oil or debris.

Pre-wetting

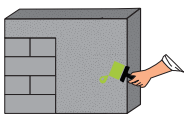


Can do slight surface wetting of dry concrete with water

Stir & Blend

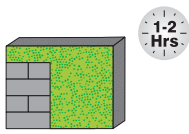
Mix the material thoroughly & homogenously just before use.

Application



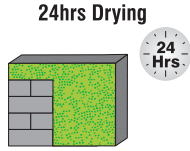
Using good quility paint brush or roller brush.

Drying



Material becomes touch dry between 1-2 hours.

24hrs Drying



Leave it to dry for at least 24 hours now you can apply gypusm plaster from 10 hours of gypbond application till 10 days.

SHELF LIFE

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

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

GYPLAST+

Specially Designed Ultra White Gypsum Plaster for Internal Walls & Ceilings

- Specially developed Brilliant white, high yield gypsum plaster for all types of wall & ceiling substrates.
- **Gyplast+** provide durable, smooth & aesthetic finish. **Gyplast+** is an ideal base for painting or wall paper application.

PRODUCT CHARACTERISTICS

Parameters	Gyplast +
Appearance	Snow White Powder
Water Demand	Approx. 50%
Rigidness	High
Water Resistance	High
Compressive Strength	12 N/mm^2
Pull Off Adhesion Strength	⩾0.50 N/mm^2 @10 mm thickness

KEY FEATURES & BENEFITS

- Excellent strength
- Smooth finish
- High Acoustic perfomance
- Self Curing
- Low Thermal Conductivity
- Fire Resistance
- Shrinkage Compensated

COVERAGE

- 23 - 25 ft^2/ 25 Kg bag @12 - 13 mm Thickness
- 31 - 33 ft^2/ 25 Kg bag @7 - 8 mm Thickness

Packaging : Available in 25 Kg Sealed bag

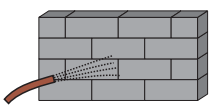
ascolite®
A Better Solution

TECHNICAL SPECIFICATIONS[1] *(Complies to IS 2547 (1,2), IS 2542 (1), IS 1288)*

Parameters	Values
Dry Bulk Density	600 - 700
Setting Time	10 - 15 minutes
So_3	52 - 54%
CaO	36 - 37%
Residue on 150 Micron(100 mesh)	NIL
Residue on 75 Micron(200 mesh)	Max. 2%
Expansion on setting @ 24 Hrs	≥ 0.5%
Transverse Strength	22 Kg / cm^2
Degree of Whiteness (Using Diffused Reflectance Meter)	90 - 92
Water Powder Ratio	50 - 60 %

PREPARATION & APPLICATION GUIDELINES[3]

Clean & wet

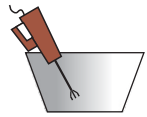


pre-wet the wall before application

Mixing

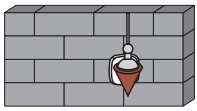
In 50-60% of potable water add 1 bag (25Kg) of Ascolite Gyplast+.

Blending



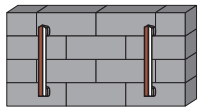
Mix thoroughly to make a uniform smooth lump-free paste.

Level Mark



Put bull mark & ensure vertical level by using plumb & make marks at every 4 ft.

Reference Mark

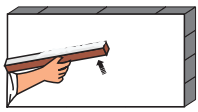


By placing aluminum box plate on bull marks. fill the gap with gyplast+.

Application

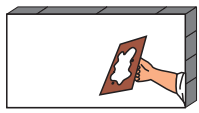
Apply fresh material paste on wall with the help of trowel.

Levelling



Level the material paste on he wall with help plumb aluminum box plate.

Finishing



Mix thin slurry & apply on leveled surface with trowel to get smooth finish.

Drying

Leave wall to dry for 2-3 days.

SHELF LIFE

06 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. For Requirement Refer to Specification IS-2547 (I) with last amendment no-03, 2011.Residue on 75 micron is checked with 10 gm sample to avoid sieve Choke.

[2] Incase of requirement of more setting time, setting time retarder is available.

[3]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 & consistant paste when mixed with water. It resists efflorescence in plastered walls. Being water resistant it can be used externally on concrete/cement plastered walls & ceiling.
- **ASCOPUTTY** fills the fine pores of the cementitious substrate & provide a white, smooth finish surface required for painting. It can be applied on fresh plaster/moisture surface. **ASCOPUTTY** has an excellent adhesion strength, durability & enhances life of paints.

RECOMMENDED APPLICATIONS

- Interior & Exterior surface of concrete,
- Plastered walls & ceiling etc.

KEY FEATURES & BENEFITS

- Cost effective
- Resists efflorescence
- Excellent workability
- Highly polymer modified thus excellent adhesion & durability
- Easy to use & apply
- Excellent resistance of water
- Can be direclty applied over damp concrete or fresh plaster
- Can be applied on interior & exterior surface
- Doesn't require curing

COVERAGE

21 - 24 ft^2/ mm / Kg

Packaging : Available in
1, 5, 20 & 40 Kg Sealed bag

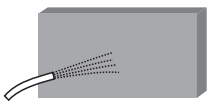
ascolite®
A Better Solution

TECHNICAL SPECIFICATIONS[1]

Appearance	: White Powder
Compressive strength	: 8.0 N/mm^2
Setting Time	: Initial setting time : 100 - 140 Minutes Final setting time : < 500 minutes
Tensile Adhesion Strength Dry	: ⩾ 1.0 N/mm^2
Whiteness	: 87 - 88
Water Retentivity	: ⩾ 98%
Water Demand	: Approx. 35 - 40%

PREPARATION & APPLICATION GUIDELINES[2]

Clean & wet

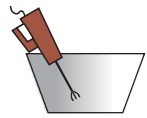


Pre-wet the plastered wall before application.

Mixing

In 35-40% potable water add 1 bag (20Kg) of Ascoputty.

Blending



Mix thoroughly to make a uniform smooth lump-free paste.

Application

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

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 plaster thickness should not exceed 2 mm.

Smoothning

Smoother with a steel trowel, Sand paper if so desired with 600 no. of sand paper.

Final finish

Wall is ready for paint application.

PRECAUTION

- Ensure that the surface to be painted is free from any loose paint, dust, oil or grase.
- Any previous grpwth of fungus, alge or moss needs to be removed thoroughly & cleaned with water.
- Though the material is non-toxic, care should be taken to avoid dust inhalation while mixing & handing.

SHELF LIFE

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

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

ASCOPUTTY CS

Highly Modified Coarse Plaster Putty for Interior & Exterior Surface

- **ASCOPUTTY CS** is a highly polymer modified, self-curring & efflorescence resistant white/grey cement based coarse wall putty.
- **ASCOPUTTY CS** covers up the coarseness, undulations, imperfection, minor crevices & pinholes on the plastered surface. It can be applied on fresh plaster/moisture surface. Thickness of **ASCOPUTTY CS** per coat should be maximum of 3 - 5 mm. Maximum thickness should not be more than 8 - 10 mm.

RECOMMENDED APPLICATIONS

- Interior & Exterior surface of AAC blocks & Concrete
- Cement plastered walls & ceiling

KEY FEATURES & BENEFITS

- Cost effective
- Easy to use & apply
- Doesn't require curing
- Resists efflorescence
- Highly polymer modified thus excellent adhesion & durability
- Excellent workability
- Excellent resistance of water
- Can be direclty applied over damp concrete or fresh plaster
- Can be applied on interior & exterior surface

COVERAGE

ASCOPUTTY CS 2.5 - 3.5 ft^2/Kg at 4 mm thickness.

Packaging : Available in 30 Kg & 50 Kg Sealed bag

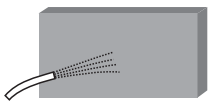
ascolite®
A Better Solution

TECHNICAL SPECIFICATIONS[1] *(Complies to ASTM C 109)*

Appearance	: White Powder (Also avail. in Grey Powder)
Compressive strength	: >10 N/mm^2
Setting Time	: 60 - 80 min
Tensile Adhesion Strength Dry	: >1.0 N/mm^2 (Dry)
Tensile Adhesion Strength Wet	: >0.85 N/mm^2 (Wet)
Whiteness	: > 85 %
Water Retentivity	: > 98 %
Water Demand	: 23 - 25 %

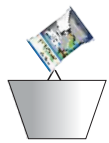
PREPARATION & APPLICATION GUIDELINES[2]

Clean & wet



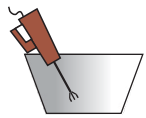
Pre-wet the plastered wall before application.

Mixing



In 23 - 25 % potable water add 1 bag (30Kg) of Ascoputty CS.

Blending



Mix thoroughly to make a uniform smooth lump-free paste.

Application

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

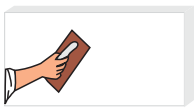
First coat

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

Second coat

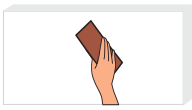
Apply the second coat of 3 - 5 mm after the first coat has fully dried & set.

Levelling



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

Smoothning



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

Final finish

Wall is ready for paint application.

PRECAUTION

- Any previous growth of fungus, algae or moss needs to be removed thoroughly and cleaned with water.
- 1- 2 coats of ASCOPUTTY is recommended to achieve smooth finish on finished plaster of **ASCOPUTTY CS.**

SHELF LIFE

09 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.

Notes:

Notes:

Walling Solutions

Waterproofing Systems

Screeds,Tiles/Stone Adhesives & Grouts

Structural Repairs, Sealants & Grouts

Protective Coatings

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Indian Green Building Council