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The Smart Construction

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MAC Compounds Pvt. Ltd. are manufacturer, supplier & exporter of Micro Silica Fume, Rice Husk Ash and Biomass Pellets for High Performance Concrete mix production, Metallurgical additives used in steel plants and foundries and Refractory admixtures. We establish long-term partnerships with several large-scale Construction, Foundries, Steel Production, Ferrosilicon and Silicon Metal factories, to control the raw materials supply and ensure the annual output of 80,000MT Micro Silica Fume, Rice Husk Ash and Biomass Pellets.

Backed by its highly professionally skilled & experienced men power is dominating the European market for last two decades catering its Steel and Cement producing reputed clients apart from middle east, Asian, Australian and European customers including domestic clientele with its manufacturing unit at Iothda industrial area, P.O Rajkot, Gujarat - BHARAT (India).

OUR VISION :

Our vision is to take an organization of most modern technology based statutory-complaint global standard free from customer complaints of any nature supported by well-equipped infrastructural facilities and trained, skilled competent manpower. Also contributing to world's green revolution by turning agriculture & industrial waste into value added green additives for infrastructure industry.

OUR MISSION :

We would strive to put in to practice our vision with all our efforts through an integrated management approaches systems, technology, best-quality resources and facilities and supported by demonstrated leadership and employee commitment at all levels as the prime drivers for ensuring a continuously progressive, stringently quality conscious safe, productive and healthy work environment.

CORE VALUES :

Sincerest dedicated commitment towards execution of all timely actions with tech-savvy skill, professional urge and management expertise to the best satisfaction and in quest of excellence for our most valuable customer's requisite fulfillment of services.

- › Customers First
- › Courage for Innovation
- › Sustainability & Integrity
- › Empowerment & Respect
- › Manage for Results





MAC Products For Smart Construction

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Grout Filler Powder

Polymer Modified Grout

DESCRIPTION OF PRODUCT

Polymer modified grout powder suitable for filling joint of Ceramic, Glaze, Mosaic, Marble etc. Easy to mix & apply. Good Bonding Strength.

PRODUCT FEATURES

Available :

- Available in range of color shades.
- Available in 1, 5, 25 kg. Smart bag/box.
- With weather proof packing.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Tile Joints Grout on Walls, Floors, Interiors & Exteriors, Work Best at Dry Areas.

Coverage :

Consumption Depends On Joint Width, Size of Tiles and Good Workmanship.

WHY MAC ?

- With Good Compressive Strength.
- Polymer modified grout filler powder.
- High strength & Durable Joints.
- Easy mixing, application & maintenance.
- Non shrink, Durable & Abrasion Resistance.



TECHNICAL INFORMATION OF PRODUCT

1	POT LIFE @ 30°C	60	minutes
2	OPEN TIME	30	minutes
3	ADJUSTABILITY	15-20	minutes
4	INITIAL SET @ R T	2	hours
5	FINAL SET @ R T	8	hours
6	ABRASION RESISTANCE	≈250	mm ³
7	SHRINKAGE	<0.1	%
8	WATER ABSORPTION	8.3	%

* For more details contact our technical team.

Grout Hardener

Hard Binding for all Types of Grouts

DESCRIPTION OF PRODUCT

High performance Grout Hardener Suitable for all Cementitious Grout at Ceramic, Glaze, Mosaic, Marble etc. Get Good Bonding Strength.

PRODUCT FEATURES

Available :

- Available in 250ml, 500ml, 1 ltr Bottle.
- Shelf life is 6 months from the date of manufacturing in unopened condition.

Applicable :

Use with all types of Joints Cementitious Grout on Walls, Floors, Interiors & Exteriors etc.

Coverage :

Consumption Depends On Joint Width, Size of Tile and Good Workmanship.

WHY MAC ?

- With Good Compressive Strength.
- Improve the flexibility and Strength.
- High strength & Durable Joints.
- Increase the abrasion resistance grouts.
- Non shrink, Durable & Abrasion Resistance.



TECHNICAL INFORMATION OF PRODUCT

	PROPERTIES	RESULTS
1	PHYSICAL APPEARANCE	WHITE LIQUID
2	SPECIFIC GRAVITY	0.955
3	SOLID CONTAIN	20.5%
4	ODOUR	MEDIUM

* For more details contact our technical team.

Epoxy Grout (3 Part)

Simple & Sparkle (Silver, Gold, Copper)

DESCRIPTION OF PRODUCT

Polymer modified epoxy grout Suitable for filling Joint of Ceramic, Glaze, Mosaic, Marble etc. Easy to mix & apply. Good Bonding Strength.

PRODUCT FEATURES

Available :

- Available in range of color shades.
- Available in 1, 5, 20 kg. Smart bucket/box.
- With export quality packaging.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Tile Joints Grout on Walls, Floors, Interiors & Exteriors, Work Best at Dry & Wet Areas. Showers, Swimming Pools, Heavy Trafficked Area, Chemical Resistance Areas and many more...

Coverage :

Consumption Depends On Joint Width, Size of Tile and Good Workmanship.

WHY MAC ?

- Chemical & Temperature Resistance.
- Anti-Bacterial & Anti Fungal.
- High strength & Durable Joints.
- Easy mixing, application & maintenance.
- Non shrink, Waterproof Joints & Abrasion Resistance.



TECHNICAL INFORMATION OF PRODUCT

1	TENSILE ADHESION (14 Days Air)	>4.5	DRY (KN)
2	TENSILE ADHESION (14 Days Air)	>3.6	WET (KN)
3	COMPRESSIVE STRENGTH	=48	N/mm ²
4	FLEXURAL STRENGTH	=30	N/mm ²
5	SHEAR ADHESION STRENGTH	>2	N/m ²
6	ABRASION RESISTANCE	=250	mm ³
7	SHRINKAGE	<0.1	%
8	WATER ABSORPTION	Nil	(1)

* For more details contact our technical team.

Bronze (NSA - T1G)

Tile Adhesive (Grey)

DESCRIPTION OF PRODUCT

Polymer modified Tile adhesive Suitable for fixing of Ceramic, Glaze, Mosaic, etc. tiles for flooring. Easy to mix & apply. Good Bonding Strength. Self-Curing.

PRODUCT FEATURES

Available :

- Free flowing cementitious grey powder.
- Available in 20kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Use for 400x400, 600x600, 800x800, 1000x1000 and up to 600x1200 mm floor tiles.

Coverage :

- 4 to 4.5 m² / 20kg Bag
- *Layer Thickness 3mm Average

WHY MAC ?

- Suitable for fixing ceramic tiles for floor
- Polymer modified adhesive
- Good strength at interior situations
- Easy mixing & application, curing less
- NSA T1G Bronze meets the adhesion requirements of IS 15477 : 2004
- Specification for adhesives for use with ceramic tiles



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	24	Hrs.
2	COLOR	GREY	POWDER
3	POT LIFE	90-100	MINUTES
4	OPEN TIME	>20	MINUTES
5	ADJUSTABILITY TIME	>5	MINUTES
6	SHEAR STRENGTH	6-8	M pa.
7	TENSILE STRENGTH @ 14 DAY	>6.00	KN
8	STANDARDS	C1	EN 12004

* For more details contact our technical team.

Silver (NSA - T2G)

Tile Adhesive (Grey)

DESCRIPTION OF PRODUCT

Polymer modified Tile adhesive Suitable for fixing of Ceramic, Glaze, Mosaic, etc. tiles for flooring. Easy to mix & apply. Good Bonding Strength. Self-Curing.

PRODUCT FEATURES

Available :

- Free flowing cementitious Grey powder.
- Available in 20kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Use for 400x400, 600x600, 800x800, 1000x1000 and up to 600x1200 mm all floor tiles.

Use for 100x100, 200x200, 250x375, 300x450, 200x600 and up to 300x600 mm Wall tiles.

Coverage :

- 4 to 4.5 m² / 20kg Bag @3mm thin layer

*Layer Thickness 3mm Average

WHY MAC ?

- High polymer modified adhesive
- Easy mixing & smooth application & better workability
- Good Strength at walls & floors in interior application
- High strength & water resistance
- NSA T2G Silver meets the performance requirements of ISO 15477 : 2004
- Specification for adhesives for use with wall tiles, floor tiles, marbles, granites stones



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	24	Hrs.
2	COLOR	GREY	POWDER
3	POT LIFE	90-100	MINUTES
4	OPEN TIME	<30	MINUTES
5	ADJUSTABILITY TIME	<5	MINUTES
6	SHEAR STRENGTH	8-10	M pa.
7	TENSILE STRENGTH @ 14 DAY	>8.00	KN
8	STANDARDS	CIE	EN 12004

* For more details contact our technical team.

Gold (NSA - T3G & T3W)

Tile Adhesive (Grey & White)

DESCRIPTION OF PRODUCT

Polymer modified Tile adhesive Suitable for fixing of Ceramic, Glaze, mosaic, etc. tiles for flooring. Easy to mix & apply. Good Bonding Strength. Self-Curing.

PRODUCT FEATURES

Available :

- Free flowing cementitious Grey/White powder.
- Available in 20kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Use for 600×600, 800×800, 200×1200, 1000×1000 and up to 1000×1200 mm all floor tiles.
Use for 250×375, 300×450, 300×600, 400×400, 600×600 and up to 200×1200 mm Wall Tiles.

Coverage :

- 4.5 to 5 m² / 20kg Bag @3mm thin layer

*Layer Thickness 3mm Average

WHY MAC ?

- High polymer modified adhesive
- High strength
- Water Resistance and curing less
- For use on walls and floors in interior & exterior situations
- NSA T3G/W GOLD exceeds the requirements of ISO 15477 : 2004
- Specification for adhesives for use with wall tiles, floor tiles, marbles, granites and stones.



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	24	Hrs.
2	COLOR	GREY/WHITE	POWDER
3	POT LIFE	90-100	MINUTES
4	OPEN TIME	<30	MINUTES
5	ADJUSTABILITY TIME	<5	MINUTES
6	SHEAR STRENGTH	8-10	M pa.
7	TENSILE STRENGTH @ 14 DAY	>10.00	KN
8	STANDARDS	C2E	EN 12004

* For more details contact our technical team.

Platinum (NSA - T4G & T4W)

Tile Adhesive (Grey & White)

DESCRIPTION OF PRODUCT

Polymer modified Tile adhesive Suitable for fixing of Ceramic, Glaze, Mosaic, etc. tiles for flooring. Easy to mix & apply. Good Bonding Strength. Self-Curing.

PRODUCT FEATURES

Available :

- Free flowing cementitious Grey/White powder.
- Available in 20kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Use for 600×600, 800×800, 1000×1000, 200×1200, 600× 1200, 800×1200 and up to 800×1600 mm all floor tiles.

Use for 250×375, 300×450, 300×600, 400×400, 600×600, 400×800 and up to 800×800, 800×1600 mm Wall tiles.

Coverage :

- 4.5 to 5 m² / 20kg Bag @3mm thin layer

*Layer Thickness 3mm Average

WHY MAC ?

- High polymer modified adhesive
- Easy mixing & smooth application & better workability
- For use walls & floors in interior & exterior
- High strength & water resistance
- NSA T4G/W Platinum meets the performance requirements of ISO 15477 : 2004
- Specification for adhesives for use with wall tiles, floor tiles, marbles, granites and stones.



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	24	Hrs.
2	COLOR	GREY/WHITE	POWDER
3	POT LIFE	90-100	MINUTES
4	OPEN TIME	<30	MINUTES
5	ADJUSTABILITY TIME	<5	MINUTES
6	SHEAR STRENGTH	8-10	M pa.
7	TENSILE STRENGTH @ 14 DAY	>12.00	KN
8	STANDARDS	C2TE	EN 12004

* For more details contact our technical team.

Diamond (NSA - T5G & T5W)

Tile Adhesive (Grey & White)

DESCRIPTION OF PRODUCT

Polymer modified High Performance Tile adhesive Suitable for fixing of Morden Ceramic, Glaze, Mosaic, etc. tiles & Stone - Marble for Wall & floor. Good Bonding Strength.

PRODUCT FEATURES

Available :

- Free flowing cementitious Grey/White powder.
- Available in 20kg. Smart bag.
- With Weather Proof inner.
- Shelf-Life in packed bag up to 1 year.

Applicable :

Use for 600×600, 800×800, 1000×1000, 200×1200, 600× 1200, 800×1200 and up to 800×1600 mm all floor tiles. Use for 250×375, 300×450, 300×600, 400×400, 600×600, 400×800 and up to 800×800, 800×1600, 1000×1000, 1000×1200 mm Wall tiles.

Coverage :

- 5 to 5.5 m² / 20kg Bag @3mm thin layer
- *Layer Thickness 3mm Average

WHY MAC ?

- High performance polymer modified adhesive
- Easy mixing & smooth application & better workability
- For use walls & floors in interior & exterior
- High strength & water resistance
- NSA T5G/W Platinum meets the performance requirements of ISO 15477 : 2004
- Specification for adhesives for use with wall tiles, floor tiles, marbles, granites and stones.



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	24	Hrs.
2	COLOR	GREY/WHITE	POWDER
3	POT LIFE	100-120	MINUTES
4	OPEN TIME	>40	MINUTES
5	ADJUSTABILITY TIME	>7	MINUTES
6	SHEAR STRENGTH	10-12	M pa.
7	TENSILE STRENGTH @ 14 DAY	>14.00	KN
8	STANDARDS	C2TE	EN 12004

* For more details contact our technical team.

METHOD OF APPLICATION

1. Surface Preparation

The surface should be sound, clean, and free from dirt, oil or grease before MAC Adhesive is applied | Substrate should be in Saturated Surface Dry (SSD) condition before application of adhesive Substrates should be in plumb before application of adhesive.

2. Mixing

Mix 20 kg of MAC Adhesive with 5 to 6 liters of water | Mix to a uniform lump-free consistency using a forced action mixer | Keep it for approximately 5 minutes to fatten it | Hand mixing is recommended for small quantities only | Mix as much quantity as can be consumed in 45 min.

3. Application

Apply MAC Adhesive paste on substrate with plain side of notch trowel. Press paste firmly to work into substrate. Comb with notch trowel with notched side, notch trowel to be selected as per required bed thickness | Spread as much adhesive paste as can be tiled within 15 minutes | Start placing/fixing of tiles & tap using beating block or rubber mallet | for large format tiles & stone provide back butter for 100% coverage & firm bonding | Periodically remove a tile to check transfer of material on tile. Also check spread of adhesive, if not proper and if becomes non-sticky scrap it & apply paste again ...

4. Grouting

Grouting should preferably be carried out at least 24 hours after the completion of tilling. For grout joints upto 3mm wide use MAC High Polymer Tile Grout | For grout joints above 3mm wide use RTM Wide | After grouting clean and polish tiles with a damp sponge or cloth.

5. Cleaning

Clean the tools & equipments with potable water immediately after use.

PRECAUTIONS & LIMITATIONS

Always add powder to liquid and not liquid to powder. While working in temperature more than 35°C (95°F) always dampen the substrate & finish faster Tilling should not be done when surface temperature is below 40°C.

HEALTH & SAFETY PRECAUTIONS

Protective clothing, such as gloves and goggles, should be worn. Treat any contact to the skin eyes with fresh water immediately. Do not induce vomiting & seek medical Assistance immediately. Reseal pack after use and ensure product is stored as instructed.

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place.

Bronze Block Mortar (BA-01)

Block Jointing Mortar (Regular Bonding)

DESCRIPTION OF PRODUCT

This mortar is designed to provide stronger, more durable bonding between the blocks with superior adhesive strength. Self-Curing Ready mix mortar for fixing AAC blocks, Concrete blocks & fly ash Bricks.



PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 40kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

- Fixing and joining masonry units
- (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks etc.

Coverage :

- COVERAGE (600 X 200 X 200) 6.40 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 150) 11.20 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 100) 13.20 Sq. Meter/Bag of 40KG

*Layer Thickness 3mm Average



TECHNICAL INFORMATION OF PRODUCT

1	INITIAL SETTING TIME	210	minutes
2	FINAL SETTING TIME	480	minutes
3	POT LIFE	90-100	minutes
4	FRESH WET DENSITY	2128	kg/m ³
5	TENSILE ADHESION STRENGTH		
	7 DAY	>0.30	n/mm ²
	28 DAY	>0.80	n/mm ²
6	COMPRESSIVE STRENGTH		
	7 DAY	>8.00	n/mm ²
	28 DAY	>10.00	n/mm ²
7	WATER DEMAND	30-35	%

* For more details contact our technical team.

Silver Block Mortar (BA-02)

Block Jointing Mortar (Standard Bonding)

DESCRIPTION OF PRODUCT

This mortar is designed to provide stronger, more durable bonding between the blocks with superior adhesive strength. Self-Curing Ready mix mortar for fixing AAC blocks, Concrete blocks & fly ash Bricks.

PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 40kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

- Fixing and joining masonry units
- (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks etc.

Coverage :

- COVERAGE (600 X 200 X 200) 6.40 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 150) 11.20 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 100) 13.20 Sq. Meter/Bag of 40KG

*Layer Thickness 3mm Average



TECHNICAL INFORMATION OF PRODUCT

1	INITIAL SETTING TIME	210	minutes
2	FINAL SETTING TIME	480	minutes
3	POT LIFE	90-100	minutes
4	FRESH WET DENSITY	2128	kg/m ³
5	TENSILE ADHESION STRENGTH		
	7 DAY	>0.50	n/mm ²
	28 DAY	>2.00	n/mm ²
6	COMPRESSIVE STRENGTH		
	7 DAY	>10.00	n/mm ²
	28 DAY	>12.00	n/mm ²
7	WATER DEMAND	25-30	%

* For more details contact our technical team.

Gold Block Mortar (BA-03)

Block Jointing Mortar (High Bonding)

DESCRIPTION OF PRODUCT

This mortar is designed to provide stronger, more durable bonding between the blocks with superior adhesive strength. Self-Curing Ready mix mortar for fixing AAC blocks, Concrete blocks & fly ash Bricks.



PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 40kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

- Fixing and joining masonry units
- (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks stone Blocks etc.

Coverage :

- COVERAGE (600 X 200 X 200) 6.40 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 150) 11.20 Sq. Meter/Bag of 40KG
- COVERAGE (600 X 200 X 100) 13.20 Sq. Meter/Bag of 40KG

*Layer Thickness 3mm Average



TECHNICAL INFORMATION OF PRODUCT

1	INITIAL SETTING TIME	230	minutes
2	FINAL SETTING TIME	480	minutes
3	POT LIFE	90-100	minutes
4	FRESH WET DENSITY	2128	kg/m ³
5	TENSILE ADHESION STRENGTH		
	7 DAY	>2.00	n/mm ²
	28 DAY	>4.00	n/mm ²
6	COMPRESSIVE STRENGTH		
	7 DAY	>12.00	n/mm ²
	28 DAY	>15.00	n/mm ²
7	WATER DEMAND	20-25	%

* For more details contact our technical team.

Ready Plast (RP-01 Grey)

Ready Plast (Bronze)

DESCRIPTION OF PRODUCT

This mortar is specially designed to provide smooth, durable, Non-Shrink plastering on internal wall with super adhesive strength. Self-Curing, Ready mix plaster is ready for all type of wall & ceiling plastering.

PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 30kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Plastering of AAC block, CC block, Bricks, etc. type internal/external wall, ceiling and RCC structure surface with excellent quality work in minimum time.

Coverage :

- 6.2kg/m²

*Layer Thickness 3 to 7mm Average



TECHNICAL INFORMATION OF PRODUCT

1	INITIAL SETTING TIME	230	minutes
2	FINAL SETTING TIME	480	minutes
3	POT LIFE	90-100	minutes
4	FRESH WET DENSITY	2128	kg/m ³
5	TENSILE ADHESION STRENGTH		
	7 DAY	>0.5	n/mm ²
	28 DAY	>2.0	n/mm ²
6	COMPRESSIVE STRENGTH		
	7 DAY	>10.00	n/mm ²
	28 DAY	>12.00	n/mm ²
7	WATER DEMAND	25-30	%

* For more details contact our technical team.

Ready Plast (RP-02 Grey)

Ready Plast (Silver)

DESCRIPTION OF PRODUCT

This mortar is specially designed to provide smooth, much more durable, weather proof plastering on external & internal wall with superior adhesive strength. Self-Curing, Ready plaster ready for all type of wall & ceiling plastering.

PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 30kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Plastering of AAC block, CC block, Bricks, etc. type internal/external wall, ceiling and RCC structure surface with excellent quality work in minimum time.

Coverage :

- 6.2 - 6.8 kg/m²

*Layer Thickness 3 to 7mm Average



TECHNICAL INFORMATION OF PRODUCT

1	INITIAL SETTING TIME	210	minutes
2	FINAL SETTING TIME	480	minutes
3	POT LIFE	90-100	minutes
4	FRESH WET DENSITY	2128	kg/m ³
5	TENSILE ADHESION STRENGTH		
	7 DAY	>2.00	n/mm ²
	28 DAY	>4.00	n/mm ²
6	COMPRESSIVE STRENGTH		
	7 DAY	>12.00	n/mm ²
	28 DAY	>15.00	n/mm ²
7	WATER DEMAND	30-35	%

* For more details contact our technical team.

Conventional vs. Ready Mix Plaster vs. Ready Plast

DESCRIPTION

Ready plast is a ready mix cement plaster / render with a high quality polymer additives. It can be used on ceiling and Ready mix cement plaster / render with a medium quality polymer additives. It can be used on inner and outer wall. It can be used on brick, block, stone walls as well as concrete surfaces. It is water resistant with high quality and sustainability. Rendering with Ready plast have lesser chances of developing cracks. Made with graded sand which enhances the durability.

Conventional - Ready Mix Plaster - Ready plast - Comparison

	Conventional Plaster	Ready Mix Plaster	Ready Plast
Thickness	Minimum 12-15mm	Minimum 10-15mm	Require only 03 -10 mm
Finish	Rough Finish	Rough Finish	Smooth Finish
Curing	High Required	Medium Required	No Curing
Cracks	High Shrinkage Cracks are observed	Minor Cracks are observed	Negligible
Wastage	High (10-15 %)	Medium (2-4 %)	Less (1-2 %)
Sharp Edges	Not Possible	Not Possible	Possible
Manpower	Practically Higher	Practically Medium	Lower as Ready to use material
Coverage	0.35Kg/Sq.Ft/MM	0.25Kg/Sq.Ft/MM	0.15/Kg / Sq.Ft/MM
Mixing	Difficult	Easy	Easy
Quality	Irregular	Consistent	Consistent
Raw Material	Inconsistent	Raw Materials are processed hence no silt or salt	Raw Materials are processed hence no silt or salt
Water Permeability	High	Low	Negligible
Penetration of Rain Water	Large particle sizes (>3 mm) sand leads to porous surface and gives easy access to rainwater.	Medium particle sizes (>1 mm) sand leads to porous surface and gives easy access to rainwater.	Different grade of sand used in exact proportion ensuring compactness in plaster.
Water : Cement Ratio	Due to presence of moisture in sand it is not possible to determine exact quantity of water to be mixed.	Due to dry sand used, water cement ratio is easily maintained and full strength of plaster is obtained.	Due to dry sand used, water cement ratio is easily maintained and full strength of plaster is obtained.

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subjected to our standard conditions of sale which are available on request. Field services , where provided, does not constitute supervisory responsibility. For additional information, please contact at support@maccompounds.com.

Ready Mix Plaster (RM - P01)

Ready Mix Plaster (Bronze)

DESCRIPTION OF PRODUCT

Ready-mix Plaster is Modified & Graded Plaster Mortar for Internal Plaster Finish Coat. MAC RM-P01 Mortar is Pre-mixed Mortar For Durable Finish Plastering work.

PRODUCT FEATURES

Available :

- Pre mixed ready mix plastering dry mortar.
- Available in 40 kg smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Plastering of AAC block, CC block, Bricks, etc. type internal/external wall, ceiling and RCC structure surface with quality work in minimum time.

Coverage :

- 18 ft²/40Kg bag pack
- *Layer Thickness 12mm Average
- No impurities 100% pure crushed sand



TECHNICAL INFORMATION OF PRODUCT

1	SINGLE LAYER THICKNESS	10-12	mm
2	POT LIFE	30-45	minutes
3	SILT CONTENT	<0.2	%
4	COMPRESSIVE STRENGTH		
	7 DAY	>3.00	n/mm ²
	28 DAY	>8.00	n/mm ²
5	WATER DEMAND	15-20	%

* For more details contact our technical team.

Ready Mix Plaster (RM - P02)

Ready Mix Plaster (Silver)

DESCRIPTION OF PRODUCT

Ready-mix Plaster is Modified & Graded Plaster Mortar for Internal & External Plaster Finish Coat. MAC RM-P02 Mortar is Polymer modified Pre-mixed Mortar For Durable Finish Plastering work. It's semi curing product not require full curing.

PRODUCT FEATURES

Available :

- Pre mixed ready mix plastering dry mortar.
- Available in 40 kg smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Plastering of AAC block, CC block, Bricks, etc. type internal/external wall, ceiling and RCC structure surface with quality work in minimum time.

Coverage :

- 18 ft²/40Kg bag pack.
- *Layer Thickness 12mm Average

WHY READY MIX PLASTER ?

- Minor Wastage (<2%)
- Site look neat & clean
- No surface shrinkage
- Nothing effect up to long time
- Get high level finishing
- Bag pack, can measure output & wastage easily by maintaining stock
- No impurities 100% pure crushed sand



TECHNICAL INFORMATION OF PRODUCT

1	SINGLE LAYER THICKNESS	10-12	mm
2	POT LIFE	40-60	minutes
3	SILT CONTENT	<0.2	%
4	COMPRESSIVE STRENGTH		
	7 DAY	>4.00	n/mm ²
	28 DAY	>10.00	n/mm ²
5	WATER DEMAND	15-25	%

* For more details contact our technical team.

Rapid Repair (MAC-RR1)

Instant Repair Mortar Rapid Repair

DESCRIPTION OF PRODUCT

The product MAC-RR1 is designed for rapid setting & hardening for repair & patch work. The product is slump free for application in critical condition. Suitable for instant repair work with maximum hardening & bonding.

PRODUCT FEATURES

Available :

- Free flowing cementitious grey granule powder.
- Available in 30 kg. Smart bag.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

Applicable on all type of cementitious surface without shuttering & supporting. Use for floor patch, dent, pocket & wall, ceiling, RCC structure repair, maintenance of old building & heavy RCC structure.

Coverage :

-5.5 to 7 m² / 30kg Bag thin layer.

*Layer Thickness 3mm to 30mm in single layer.

WHY MAC ?

- Easy & fast application
- Rapid setting & hardening
- Self curing
- Ready for repair ramp & steps
- Non slump mortar, can be apply in critical condition
- Power fiber product for durable maintenance



TECHNICAL INFORMATION OF PRODUCT

1	TRAFFICABLE TIME	4-6	Hrs.
2	COLOR	GREY	powder
3	POT LIFE	30-40	minutes
4	APPLICABLE TEMPERATURE	+10 to +40	°C
5	ADJUSTABILITY TIME	>5	minutes
6	COMPRESSIVE STRENGTH		
	@24 Hrs.	>5.00	n/mm ²
	@7 DAY	>20.00	n/mm ²

* For more details contact our technical team.

Rapid Repair (MAC - RR1)

Instant Repair Mortar Rapid Repair

USES

Rapid Repair is well suited for repair and patching of floors prior to coating, filling small holes, leveling of floors, structural repair of pavement, masonry, loading docks, warehouse and freezer floors, sewers, tunnels and all horizontal or vertical, interior or exterior, above or below grade applications.

APPLICATION

For best results over large areas apply the mortar with a steel trowel at a thickness of 4 – 6 mm. To produce a smooth repair surface ready to receive floor coverings, finish with a wet smoothing trowel before the mortar has fully set, i.e. 30 - 40 minutes. To ensure a level surface when filling holes and cracks, trowel the mortar in to the area and apply pressure to ensure the mortar covers the repair surface. Fill the repair leaving the mortar proud of the surrounding area, then float or grind to the required level after approx 20 minutes. Overcoating can commence after approximately 4 - 6 hours at 10 - 40 °C @ 3mm.

COMPOSITION

Rapid Repair contains a proprietary cement formulation and specially selected blended aggregates and admixtures. No chlorides are used in the Rapid Repair products.

MIXING INSTRUCTIONS

Rapid Repair will require approximately 1:3 (Water:Rapid Repair) of potable water per 30 kg. bag, to achieve the proper mix consistency. Add the Rapid Repair Mortar to the water and thoroughly mix to a stiff, no slump, putty-like consistency, mixing 3 minutes minimum but no more than 5 minutes in total.

SURFACE PREPARATION

Surface must be structurally sound, clean, free of loose or deteriorated concrete, dust, dirt, and other contaminants. Clean and prime exposed steel and reinforcing. When substrate is not absorptive, abrade as necessary to ensure proper bonding. When temperature is above 3°C (37°F), prewet the prepared area with potable water to achieve a saturated surface dry condition before application. Absorb excess water and puddles to prevent dilution of the patching material.

PRECAUTIONS

Do not place when the substrate temperature is below 5°C or when the ambient temperature is 10°C and falling. Do not exceed the maximum recommended water content and only use clean potable water. This product is not recommended for external use.

MAC Latex 222 SBR

Super Bond SBR

DESCRIPTION OF PRODUCT

A Product MAC Latex SBR is highly potent and versatile SBR based liquid for high performance applications in waterproofing and repairs.

PRODUCT FEATURES

Available :

- Available in 250 ml, 500 ml, 1 ltr & 5 ltr.
- Big Pack: 50 ltr & 200 ltr.

Applicable :

As bond coating, As Waterproof repair plaster, As a crack repair, As coating for prevention of corrosion in re bars efflorescence (Salt Petre / Damp Surfaces).

Coverage :

- Excellent Coverage 70-80 sq.ft per ltr in 2 coats.

MODERNIZE

- Hence economical less material wastage- material does not fall back/round, when used as bonding agent high bond strength prevents leakage & dampness Enhances strength of a repair mortar & provides durability



TECHNICAL INFORMATION OF PRODUCT

1	TYPE	Styrene Butadiene Polymer Liquid
2	COLOR	White
3	SPECIFIC GRAVITY	1.02 + 0.02
4	STORAGE CONDITION	Free From Frost
5	SOLID CONTENT	44 + 1 %
6	HARD DRY	5-6 Hours
7	SHELF LIFE	Use before 1 year if unopened
8	FOR BEST RESULT	1 ltr of super latex will cover 70-80 Sq. ft area in 2 coats
9	PROPORTION MIX 1:4:7	Super Latex : Water : Cement

* For more details contact our technical team.

FLOOR HARDENER (MAC-FH101)

Mineral Dry Floor Hardener

MAC
The Smart Construction

DESCRIPTION OF PRODUCT

Floor hardener for concrete is used for hardening the newly laid concrete floor. Our supplied floor hardener is used for imparting abrasion resistance and smoothness, to the concrete floor.

PRODUCT FEATURES

Available :

- Free flowing cementitious powder.
- Available in 25kg. Smart bag.
- With Weather Proof inner
- Shelf life is 1 year from the date of manufacturing in unopened condition.



Applicable :

- Cement Road, Warehouse Floor, Shopping Malls, Restaurants, Airport, High Traffic Public Area, Factories, Military Base, Hospitals and Many More

Method of Application :

- Depend on the surface conditions, remove the surface bleed water or allow it to evaporate. Sprinkle floor hardener onto the screeded concrete evenly in 2 stages i.e first stage: 60%; Second stage: 40%. Care must be taken to apply the product without creating ripples etc. in the concrete surface. The first application must be worked into the slab followed immediately by application of the second stage quality.



TECHNICAL INFORMATION OF PRODUCT

1	TYPE	Non Metallic Mineral Dry Powder
2	COLOR	Concrete Grey
3	SPECIFIC GRAVITY	1.02 + 0.02
4	STORAGE CONDITION	Dry and Clean
5	BULK DENSITY	1.5 ± 0.1 kg/l at 27° C
6	HARD DRY	7-9 Hours
7	FOR BEST RESULT	Use before 1 year if unopened
8	PROPERTIES ABRASION RESISTANCE	1.70 mm Thickness (Average)
9	LAYER THICKNESS	2.5 to 3.0 mm at dosage of ~5.0 kg/m ²

* For more details contact our technical team.

Micro Silica (MAC-D85 & MAC-D92)

Increase Strength of Concrete (ASTM - C1240)

MAC
The Smart Construction

DESCRIPTION OF PRODUCT

Micro Silica with total SiO_2 content min 85% and min 92%. It will react with the Calcium Hydroxide from the cement, which will form more of the Calcium Silicate hydrate, it greatly improves compressive strength, bond strength and abrasion resistance, permeability and helps in protecting reinforcing steel from corrosion. Using it will also increase the durability of the concrete.



PRODUCT FEATURES

Available :

- Available in 25kg. Smart bag.
- With Weather Proof inner.
- Shelf life is 1 year from the date of manufacturing in unopened condition.

Applicable :

- High Performance Concrete, Cement Road, Marine / Ocean concrete, Precast Concrete, Wear Resistant Flooring, Grouting Material, Ready Mix Concrete for High Strength Concrete, and Many More.

Standard Specifications :

- Conforms to ASTM C -1240-03, AASHTO M-307, EN 13263:2005 and IS 9103 (1999)



TECHNICAL INFORMATION OF PRODUCT

1	SiO_2	85 - 96%
2	CaO	2 % Max
3	Al_2O_3	1 % Max
4	PARTICLE SIZE	0.03 - 0.01 Microns
5	DRY BULK DENSITY	500 - 700 kg/m^3
6	PH VALUE	7-9
7	LOSS of IGNITION	2.0 - 4.0 %
8	AVAILABLE ALKALIS	0.5 - 1.5 %
9	SURFACE AREA (BET METHOD)	15 - 28 m^2/g
10	COLOR	Grey

* For more details contact our technical team.

Micro Silica (MAC-D85 & MAC-D92)

Increase Strength of Concrete (ASTM - C1240)

MAC
The Smart Construction

DIRECTION FOR USES

MICRO SILICA is composed of silicon dioxide (SiO_2), Due to its chemical and physical properties. MICRO SILICA can greatly enhance the strength performance as well as the bonding properties of concrete to which it is added. Higher strengths translate to greater design flexibility and more efficient use of space in completed structures.

MICRO SILICA is recommended for use at a rate of 5 to 15% by weight of the cement. Dosage rates may vary depending on the application and desired concrete properties.

HOW IT WORKS?

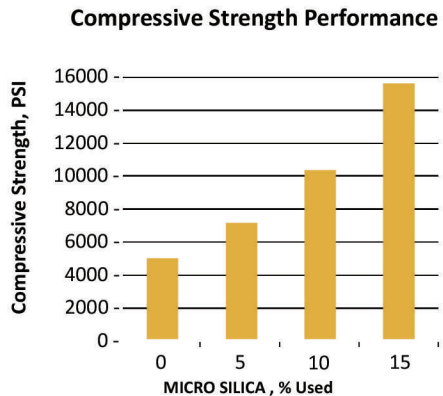
Micro Silica Fume is a pozzolanic material that consists primarily of fine silicon dioxide particles in a non-crystalline form. Micro Silica particles have a diameter of less than $1\mu\text{m}$; about 100 times smaller than the average cement particle.

ASSOCIATED ADVANTAGE

Enhanced Durability: Micro Silica (SiO_2) increases the strength of concrete and increases the resistance to weathering and enhances the durability.

Compatibility: Micro Silica (SiO_2) is compatible with other admixtures in the same concrete mix. When used in conjunction with other admixtures, each admixture must be dispensed separately.

- Dramatically reduces permeability
- Increases resistance to chemical attack
- Increases abrasion/erosion resistance
- Improves durability
- Produces ultimate compressive strength
- Increases flexural strength
- Increases bond strength
- Less material wastage
- Reduces the rate of carbonation
- Decreases permeability to chloride
- High Pozzolanic Activity Index
- Allows greater design flexibility and structural design economies



STANDARD SPECIFICATIONS

Conforms to ASTM C -1240-03, AASHTO M-307, EN 13263:2005 and IS 9103 (1999).

White Cement Base Wall Putty

Wall Putty Base Coat / Finish Coat

DESCRIPTION OF PRODUCT

A Product MAC WALL PUTTY (Base Coat & Finish Coat) is designed to provide extreme smooth & finished surface of all type of plaster. It's use on wall (cement plaster, gypsum plaster, POP, lime plaster surfaces), RCC structure & all finished masonry

PRODUCT FEATURES

Available :

- Available in 20 & 40 Kg. Smart Bag.
- With Weather Proof inner.
- Shelf-Life in packed bag up to 1 year.

Applicable :

On R.C.C. Surfaces wall, ceiling, pardi, pillar, column, etc.
On all type masonry wall surface. Suitable for external & internal surface.

Coverage :

- Thin Layer due to good spreadable property.
- 10 to 12 Sq. Feet/1 KG.
- In two coat finish with 1.5mm thickness.

MODERNIZE

- Desired fast setting time.
- Can be re-coat after 6 hours.
- Decrease pigments & level up bright whiteness.
- Strong bonding by modified fiber & adhesive ingredients
- Quality work in less effort
- Leaves hard coating layer after final drying
(Good workability, Silky & required stickypast, finer, good pot life)



TECHNICAL INFORMATION OF PRODUCT

1	POT LIFE	>100 MINUTES
2	WORKABILITY	GOOD
3	BRIGHTNESS	85 to 90%
4	SETTING TIME	
	INITIAL	<100 MINUTES
	FINAL	>480 MINUTES
5	SURFACE SHRINKAGE	Nil

* For more details contact our technical team.

White Cement Base Wall Putty

Wall Putty Base Coat / Finish Coat

ADDITIONAL INFORMATION

Post Painting Care :

It is important to apply a coat of Interior Wall Primer or SmartCare Primer over MAC Wall Putty before application of paint.

Technical Details :

- a. **Drying time:** Surface dry time 30 min
- b. **Sheen levels:** NA
- c. **Flash point IS101/1987 Part 1, Sec 6:** NA
- d. **Stability of thinned paint:** To be used within 45 minutes

PRECAUTIONS :

- Do not apply the material without pre - wetting the surface for the 1st coat.
- Ensure the material is mixed homogeneously with water and allowed to stand for 5-10 mins before application.
- Do not sand the material vigorously with Emery Paper otherwise it will reduce the strength of the material.
- Do not apply the material to fill cracks.
- Though the material is non-toxic, care should be taken to avoid dust inhalation while mixing and handling.

SAFETY FEATURES :

- Kindly refer to the MSDS for MAC Wall Putty which gives detailed information on safety measures while handling the paint.
- Keep out of reach of children and away from food, drink.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In the event of spills, contain spillage using sand or earth.
- Safety Data Sheet available on request.
- No added Lead, Mercury or Chromium compounds.

Product Application Details

ITEM	TYPE	COLOR	PACK	APPLICATION AREA
Filler Grout	POLYMER BASED	WIDE RANGE	1 KG 25 KG	Polymer modified grout with good compressive strength which fill gaps between tiles and marble at wall and floors. Allowed at interior and exterior Works well in dry area.
Grout Hardener	GROUT HARDENER	NATURAL	250 ML 500 ML 1 LTR	High performance Grout Hardner. Suitable for all Cementos Grout at Ceramic, Glaze, mosaic, marble etc. Get Good Bonding Strength.
Epoxy Grout	SIMPLE SPARKLE	WIDE RANGE	1 KG 5 KG 20 KG	Resin based 3 part epoxy grout allowed at interior and exterior applications. Greatly work at Dry and wet areas, Work top showers, Swimming and hydrotherapy pools, Havily trafficked floors, hygienic sterile, chemical resistance areas.
Tile Adhesive	BRONZE	GREY	20 KG	Application of glazed wall tiles and Vitrified tiles internally - Use for 400x400, 600x600, 800x800, 1000x1000 and up to 600x1200 mm floor tiles.
	SILVER	GREY	20 KG	Use for 400x400, 600x600, 800x800, 1000x1000 up to 600x1200 mm all floor tiles and 100x100, 200x200, 250x375, 300x450, 200x600 up to 300x600 mm Wall tiles.
	GOLD	GREY / WHITE	20 KG	Use for all floor tiles up to 800x1200 mm and wall tiles up to 600x600 mm. Internal and External Application. Allowed for Small size Marble, Stone and Granite.
	PLATINUM	GREY / WHITE	20 KG	Use for all floor tiles and wall tiles up to 800x1200 mm (30 Feet Vertical). Internal and External Application. Allowed for Natural Stone, Marble and Granite.
	DIAMOND	GREY / WHITE	20 KG	Use for all floor tiles and wall tiles up to 800x1200 mm (30 Feet Vertical). Internal and External Application. Allowed for Natural Stone, Marble and Granite.
Block Mortar	BRONZE	GREY	40 KG	Fixing and joining masonry units (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks etc. Regular Bonding
	SILVER	GREY	40 KG	Fixing and joining masonry units (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks Stone Blocks etc. Standard Bonding
	GOLD	GREY	40 KG	Fixing and joining masonry units (Water Resistance & Monolithic) like AAC blocks, Concrete blocks, fly ash bricks Stone Blocks etc. High Bonding
Ready Mix Plaster	BRONZE SILVER	GREY	30 KG	Plastering of AAC block, CC block, Bricks, etc. type internal / external ceiling and RCC structure surface with excellent quality work in minimum time. Curing less product and High Bonding.
Ready Mix Plaster	BRONZE SILVER	GREY	40 KG	Plastering of AAC block, CC block, Bricks, etc. type internal / external wall, ceiling and RCC structure surface with quality work in minimum time. Superior Bonding
Rapid Repair	MAC-RR1	GREY	30 KG	Applicable on all type of cementitious surface without supporting. Use for floor patch, core cutting hole, dent, pocket & wall, ceiling, RCC structure repair, maintenance of old building & heavy RCC Structure.
SBR	LATEX 222	WHITE	250 ML to 200 LTR	As bond coating, As Waterproof repair plaster, As a crack repair, As coating for prevention of corrosion in re bars efflorescence (Salt Petre / Damp Surfaces).
Floor Hardener	MAC-FH101	GREY	25 KG	Cement Road, Warehouse Floor, Shopping Malls, Restaurants, Airport, High Traffic Public Area, Factories, Military Base, Hospitals and Many More.
Micro Silica	MAC-D85 MAC-D92	GREY	25 KG	High Performance Concrete, Cement Road, Marine / Ocean concrete, Precast Concrete, Wear Resistant Flooring, Grouting Material, Ready Mix Concrete for High Strength Concrete, Cement Road and Many More.
Wall Putty	BASE	WHITE	20 KG 40 KG	It is applied before Fine coat of wall putty layer. It fills the fine pores of the wall and ceilings, there by providing a white, smooth and dry surface for fine wall putty coat. Suitable for external and internal surface.
	FINISH	WHITE	20 KG 40 KG	It is applied before painting of the wall. It fills the fine pores of the wall and ceilings, there by providing a white, smooth and dry surface for painting. Suitable for external and internal surface.

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subjected to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact at support@maccompounds.com.



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Builder's Merchants:- By supplying construction materials and MAC's solutions, builder's merchants offer contractors and craftsmen the convenience they are looking for.

Home Centers:- With MAC's products, home centers offer the choice of proven, durable solutions to the serious DIYer and consumer for their home improvement needs.

Online Stores:- MAC's solutions are also available online, thanks to our pure online distributors and the online stores of our products distribution partners.

Floor Covering Dealers:- With solutions for all types of floor covering systems, MAC's products are available through the floor covering dealers network, so that floors can last many years to come.

Hardware Stores:- With their solutions for home improvement and MAC's products, hardware stores supply craftsmen with long-lasting solutions.

Paint Dealers:- Efficient MAC solutions including sealants, concrete repair, waterproofing and façade products can be found in paint dealers' shops, so that painters across the world find what they need.



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