



UDITI
CONSTROCARE PVT. LTD.
— *Let's rise together* —



**BLOCK JOINTING Mortar
READYMIX PLASTER**

**GYPHUM BONDING AGENT
TILE ADHESIVE**

DRY MIX & CONSTRUCTION ADHESIVES

MANUFACTURING DIVISION

PUNE BASED UNIT

 www.uditiconstro.com

Company Profile

Uditi constrocare Pvt. Ltd. is R&D based firm and working on dry mix products from last 10 years, we also have worked in solid products like (Bricks, Blocks) our expertise is developing new and affordable product range for construction industries, our all products have competitive advantage and good results. We believe in problem solving what construction industries is facing and we have good research background and also helped other industry to upcycle there waste and make parctical use with good result.

As we know there are human error in traditional mix design of plaster and Mortar, no sand checking is done, dust content varies, percentage of cement varies. to avoid these problem bag product are available which are factory controlled, frequently checked and are DIY and also gives better coverage, from that we can measure exact quantity of material needed for building. Require less storage space, no waste while material handling, no need of extra material additional, only add water and product is ready to use.

We strongly believe in making this firm successful towards our goals and making work faster & workmanship better.

VISSION

To make DIY and consistent quality, affordable product range and having good workmanship.

MISSION

To be most innovative and researched based company, building reliable products.

VALUES

- Innovative towards products building
- Understanding customers needs
- Creative approach towards industries
- Passionate towards work

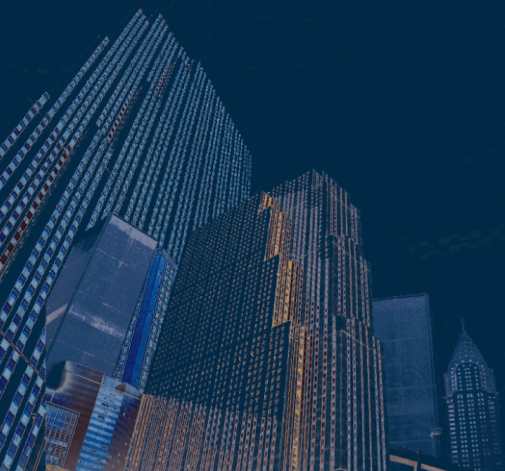
OUR PRODUCTS RANGE

Adhesive

- Block Adhesive
- Tile Adhesive

Plaster

- Ready mix plaster
- Gypsum Bonding agent
- Plaster Bonding agent



DESCRIPTION

Sunrise power bond block jointing Mortar is a single component, ready to use product, with enhanced polymer additive, which provide excellent result. This adhesive is suitable Mainly for AAC, Concrete, Hollow blocks.

AREA OF APPLICATION

This general purpose adhesive suitable for jointing blocks in wall construction.

FEATURES & BENEFITS

- Used in place of traditional cement sand Mortar for better results.
- Self-curing product.
- Convenient to apply faster completion of work
- Consistent quality
- No shrinkage cracks at joints
- Economical
- Thin-bed joints.

METHOD OF APPLICATION

Surface Preparation

- Prepare the surface before the application of block adhesive by removing oil, inhibiting agents, dirt, dust
- Clean the surface following suitable methods like by using wire brush, water jetting, mopping etc.
- Block should be wet before applying block adhesive.

MIXING

- Sunrise power bond block adhesive requires 26%- 30% (10-12 lit) potable water.
- Add sunrise power bond block adhesive to the measured quantity of water, while continuously stirring using a mechanical stirrer 2-3 minutes to ensure a desired consistency and mix should be free of lumps.
- Allow the mix to stand for 5 minutes to mature and then mix it again before use.
- Do not add more water to alter the mix consistency or to extend the pot life. Further water addition will hamper the adhesion strength of the block adhesive.
- Any block fixing after 10 minutes of spreading sunrise power bond block adhesive will lead to improper adhesion and may result in de-bonding and drying of adhesive.
- Above 1200mm there should be concrete band along the length of wall for stability and proper bonding, further work can be carried out after 24 hr.



TECHNICAL DATA

Bulk density	1400-1550 kg/m ³
Water powder ratio	Approx. 26%-30% (10-12 lit)
Pot life	1 hr
Open time	30 Min.
Compressive strength @ 28 days	4-6 N/mm ²
Splitting strength	>0.5N/mm ²
Coverage @3-4 mm bed thickness	0.9-1.2 m ³

MATERIAL SPECIFICATIONS

Silica Sand	300 to 75 micron
Primary Binder	Cement
Pozzolanic Binder	Fly Ash
Additives	Polymer Powder

PRECAUTION

- Not suitable for application on cement sheet, plasterboard, plywood.
- Not suitable for application on metal sheet or plastic substrates.
- Don't apply in direct sunlight.

NOTE

- Minimum 24 hours trafficable time, for further work.
- Work should be done at atm temperature.
Pot life, open time depends upon surface absorption, atmospheric condition at site.
- The data provide above is as per lab condition and may vary as per actual method of application on site.
- Trial should be conducted before application, consult Udit Constrocare team for trail and technical assistance.

PACKAGING

- 40 kg PPE Laminated bag

SHELF LIFE

- Sunrise power bond block adhesive has shelf life of 6 months from date of manufacturing

SPECIFICATION

- Technical parameters complies with ASTM 1660-09.

Description

Sunrise power plast RMP is single component ready to use material with filler and polymer additive, with (1:4) cement: sand ratio. Used for internal and external plaster work.

Area of Application

Sunrise power plast RMP can be used for plaster work on AAC, RCC (hacking or bonding agent required) on wall surface, it can also be used on concrete block, fly ash bricks, red bricks, hollow blocks etc.

Features & Benefits

- Used as replacement of traditional cement sand plaster for better results.
- Highly durable.
- Convenient to apply faster completion of work.
- Consistent quality.
- Low rebound loss.
- Better coverage.
- Good finish

Method of Application

Surface Preparation

- Prepare the surface before the application of sunrise power plast RMP by removing oil, inhibiting agents, dirt, dust.
- Clean the surface following suitable methods like by using wire brush, water jetting, mopping, etc. Mixing.

Mixing

- Sunrise power plast RMP requires 16%-18% (6.4- 7.2 lit) potable water by weight of material.
- Add Sunrise power plast RMP to the measured quantity of water, while continuously stirring using a mechanical stirrer for 2-3 minutes to ensure a desired consistency and mix should be free of lumps.
- Allow the mix to stand for 2 minutes to mature and then mix it again before use.
- Do not add more water to alter the mix consistency. Further water addition will hamper the adhesion strength of the RMP.

Application

- Apply the mixed sunrise power plast RMP to the prepared substrate using the appropriate trowel. Levelling work should be done before plastering.
- Marking of 10-12mm thickness should be done, on substrate. For thickness above 15mm plastering work should be done in two layers.
- If plastering is done on RCC member it is recommended before application wall should be moist and hacking as per IS requirement should be done or bonding agent should be applied 24 hr before application of RMP.
- On AAC wall, should be clean levelling should be done, no requirement of cement slurry on wall, as per thickness requirement plaster work should be carried out.
- For double coat plaster, there should be interval between first and second layer (min 1 day).



TECHNICAL DATA

Bulk density	1700-1800 kg/m ³
Water powder ratio	Approx. 16%-18% (6-7 lit)
Pot life	1 hr
Initial setting time	2 hr
Compressive strength @ 28 days	9-10 N/mm ²
Pull-out @28 days	Approx. 0.5 N/mm ²
Thickness of layer Coverage	8-10mm19-20 sqft
Thickness of layer Coverage	10-12mm17-18 sqft
Thickness of layer Coverage	15-18 mm15-16 sqft
Thickness of layer Coverage	20-25 mm10-12 sqft
Water curing	2-3 days
Rebound loss	Approx 1.5%
Finish	Sponge/dabba

MATERIAL SPECIFICATIONS

M-sand	1.18 mm to 600 Micron
Primary Binder	Cement
Pozzolanic Binder	Fly Ash
Additives	Polymer Powder
PP fibre	6 mm length

PRECAUTION

- Not suitable for application on cement sheet, plasterboard, plywood.
- Not suitable for application on metal sheet or plastic substrates.
- Don't apply in direct sunlight.

NOTE

- Plastering work should be done at atmosphere temperature.
- Compressive, Pull-out strength depends upon site application and surface preparation.
- The data provided above is as per lab condition and may vary as per actual method of application on site.
- Trial should be conducted before application, consult Uditi Constrocare team for trial and technical assistance.
- Coverage depends on surface and application.

PACKAGING

- 40 kg PPE bag

SHELF LIFE

- Sunrise power plast ready mix plaster has shelf life of 6 months from date of manufacturing.

SPECIFICATION

- Technical parameters complies with IS 1661-1972, IS 2250-1965, IS 2402-1963.

MATERIAL TECHNICAL DATA SHEET

Sunrise Tile Adhesive SR - 305 is grey cement based tile adhesive used for fixing small sized ceramic & mosaic tiles for internal application.

KEY FEATURES

- Ready to use, only water to be added.
- Better bond than conventional cement based Mortar.
- Faster to apply due to good spreadable properties.
- Excellent high strength & water retention properties.
- Suitable for fixing small size ceramic & mosaic tiles on walls and floors.

ADVANTAGES

- High Quality & Easy to store dry pre-mixed powder.
- Superior grip.
- Excellent workability & Smooth finish.
- Higher productivity & Saves time.

USES & APPLICATIONS

- For Internal tiling application on walls.
- For Internal tiling application on floors.
- Tile repairs & Rehabilitation works.

SURFACE PREPARATION, MIXING & APPLICATION

- Clean the surface to remove dust and loose particles
- Mix with 4.4 - 5 liters of water to get the right consistency
- Apply using notch trowel to get coverage of 20-25 sq. ft with 6 mm thickness.



TECHNICAL DATA

Sr.no	Name of Test	Unit	Result
1	Water Demand	%	26.3
2	Open Time	Minute	55
3	Adjustability	Minute	40
4	Pot Life	Minute	300
5	Setting Time	Hrs	10
6	Shear Strength Dry (28) Days	N/mm2	11.4
7	Shear Strength Wet (28) Days	N/mm2	11
8	Shear Strength heat Aging (28) Days	N/mm2	7.2
9	Tensile Strength Dry (28) Days	N/mm2	4.8
10	Pull Out Adhesion (28) Days	N/mm2	0.68

Standard: Type 1 as per IS15477-2004

COVERAGE

- A 20Kg bag of Tile Adhesive SR - 305 gives ~20-25sq. ft coverage of 6mm thickness

PACKAGING, SHELF LIFE & STORAGE

- Available in 20kg BOPP Bag with liner.
- Store in a dry place away from moisture.
- 6 months from the date of manufacturing.

Sunrise SR - 315 is grey cement based tile adhesive used for fixing medium sized tiles for internal walls & floors and external floor application.

KEY FEATURES

- Ready to use, only water needs to be added.
- Faster to apply due to good spreadable properties.
- Excellent high strength & water retention properties.
- Suitable for fixing ceramic, mosaic & vitrified medium size tiles on walls & floors.

ADVANTAGES

- Comes with Anti-slip properties.
- Excellent workability & Smooth finish.
- Superior bond strength.
- Higher Productivity & Saves Time.

USES & APPLICATIONS

- For Internal tiling application on walls (Medium size)
- For Internal tiling application on floors (Medium size)
- For External tiling application on floors (Medium size)

APPLICATION

- Clean the surface to remove dust and loose particles.
- Mix with 4.4 – 5.00 liters of water to get the right consistency.
- Apply using notch trowel to get coverage of 20-25 sq. ft. with a thickness of 6 mm.

COVERAGE

- A 20Kg bag of SR - 315 gives ~ 20-25 sq. ft coverage of 6mm thickness.

PACKAGING, SHELF LIFE & STORAGE

- Available in 20kg BOPP Bag with liner.
- Store in a dry place away from moisture.
- 6 months from the date of manufacturing.



TECHNICAL DATA

Sr.no	Name of Test	Unit	Test Result
1	Water Demand	%	30.40
2	Open Time	Minute	60
3	Adjustability	Minute	15
4	Pot Life	Minute	390
5	Setting Time	Hrs	12
6	Shear Strength Dry (28) Days	N/mm2	1.91
7	Shear Strength Wet (28) Days	N/mm2	1.42
8	Shear Strength heat Aging (28) Days	N/mm2	1.13
9	Tensile Strength Dry (28) Days	N/mm2	1.02
10	Pull Out Adhesion (28) Days	N/mm2	1.00

STANDARD : As per IS 15477**MATERIAL TECHNICAL DATA SHEET**

Sunrise SR - 325 is a Grey cement based high polymer modified tile adhesive to provide Excellent Slip resistant & extended Open time properties which is suitable for External Wall & Floor large format Vitrified Tile, Marble, Granite, Stone etc application.

KEY FEATURES

- Ready to use, only water to be added.
- Extended open time allows ease of application in external areas
- Excellent bonding strength & slip resistance provide good grip to large format tiles & stones

ADVANTAGES

- Superior bond strength
- Enhances safety & durability of exterior tiles
- Excellent grip for large format tiles
- Better correction time during tile applications

USES & APPLICATIONS

- For external wall large & heavy tiling application

SURFACE PREPARATION, MIXING & APPLICATION

- Clean the surface to remove dust and loose particles
- Mix with 4.8 - 5 litres of water to get the right consistency
- Apply using notch trowel to get a coverage of 55 - 60 sq. ft.

TECHNICAL DATA

Sr.no	Name of Test		Unit	Result
1	Water Demand		%	25 - 30
2	Open Time		Minute	≥40 minutes
3	Adjustability		Minute	15
4	Pot Life		Minute	180 - 240
5	Setting Time		Hrs	12
6	Shear Adhesion	Dry condition (24 Hrs)	KN	≥4.000
		Dry condition (14 Days)	KN	≥10.00
		Heat aging condition	KN	≥5.00
		Wet condition	KN	≥5.00
7	Tensile Adhesive Strength	Dry condition (28days)	N/mm2	≥1
		Water immersion (28days)	N/mm2	≥1
		Heat Aging (28days)	N/mm2	≥1
		Open time after 20 minutes	N/mm2	≥0.5

STANDARD : As per IS 15477**COVERAGE**

- A 20Kg bag of SR - 325 gives ~20-25 sq. ft coverage of 6mm thickness.

PACKAGING, SHELF LIFE & STORAGE

- Available in 20kg BOPP Bag with liner
- Store in a dry place away from moisture
- 6 months from the date of manufacturing



KEY FEATURES

- Additional chemical or mixing not required.
- Better bond adhesion due to sand powder which contains fine aggregates for better mechanical, as well as chemical adhesion.
- Excellent cohesive bond to RCC, Concrete and other surface. Single coat application.
- Excellent high strength due to good spreadable properties.
- Economic.
- Faster to apply due to good spreadable properties.
- Non-toxic, non-inflammable.
- Simple and easy application.



TECHNICAL & PHYSICAL PARAMETERS

Setting Time	24 to 48 Hrs* (It depends on surface & enviromental condition)
Color	Green
Bonding strength	> 1 Mpa*
Type	Colloidal solution with suspended solids

CHEMICAL COMPOSITION

Polymer based liquid

DRYING TYPE

Air Drying

IDENTIFICATION & PACKING

BONDAID is packed in plastic buckets. The outer layer of the bucket is prnted with the product image, safety instruction, batch number, date of manufacturing, UOM, correspondence address and application instructions.

AVAILABLE SIZES

20 kg, 10 kg, 5 kg & 1 kg

SHELF LIFE TIME

Approx. 12 Months form date of manufacturing

COVERAGE

Coverage* 50 Sqft/kg
(It depends on surface & application)

STANDARD COMPLIANCE

Testing procedure as per ASTM D7234

Caution

Do not apply Bondaid on wet surface.

Wash hand properly with clean water after use.

Keep away from eye contact, in case of eye contact wash throughly with water.

Use helmet & high viz, safety shoes & harness while working on height.

SURFACE PREPARATION | MIXING | APPLICATION

- Clean the surface to remove dust and loose particles
- Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified.
- Mix material properly with clean rod to properly distribute solid particles in the solution.
- Use good quality paint brush. the brush should be cleaned with clean water.
- Application of bondaid must be done with the help of brush/roller
- Allow it dry throughly for around 24 hours

SR Plastogreep is a cutting-edge polymer emulsion designed to enhance adhesion between plaster and concrete, suitable for both new and aged surfaces.

Areas of Application

To establish a robust connection between Plaster and Concrete. For achieving a robust connection between ceramic or glazed tiles and concrete.

Salient Features

Ensures robust adhesion on concrete surfaces, significantly improving the bond between plaster and concrete.

Bond strength enhances as plaster cures.

A neutral formulation with porosity less than 3 microns, effectively shielding concrete from carbonation and salt-related deterioration.

Creates a breathable barrier, allowing moisture to escape from concrete while blocking external water penetration.

Demonstrates outstanding adhesion to steel, offering corrosion protection and enhancing the bond between concrete and steel.

Increases plastering/gunning efficiency by minimizing rebound losses.

Method of Application

1. Thoroughly clean the concrete surface to remove any grease, oil, dirt, or loose particles.
2. Dampen the surface by applying water evenly.
3. Apply a uniform coat of SR Plastogreep to the dampened surface, ensuring complete and even coverage.
4. Allow the surface to achieve proper tackiness within 10 to 20 minutes before applying a layer of cement mortar.
5. After the mortar layer has settled, proceed with plastering in the standard manner.
6. Approximately covers 100 square feet per liter of SR Plastogreep on a smooth surface.

Packing
20 kg packing.

Shelf life

Shelf life is one year when stored in the original packaging in a cool and dark place.



OUR CLIENTS



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