

READYPLAST M (SUPER)TM

READYMIX - THIN LAYER JOINTING MORTAR FOR MASONRY WORK

BENEFITS

- Pre-mixed and ready to use.
- Easy to mix, as only water is to be added at site.
- No water curing is required after application.
- Eliminates lengthy process of site mixing, transport and storage of all individual materials.
- It is also economical as quantity of mortar is far less than conventional mortar.
- Thinner layer of application for lesser shrinkage and seamless structure.
- Seepage and water percolation through the joints is negligible.
- Ready for subsequent application like plastering just after 24 hours of application.
- Raking of joints is not required before plastering.
- High adhesive strength.
- Improves overall masonry strength and load bearing capacity.
- Uniform and consistent quality.
- High tensile adhesion for good bonding strength.
- No shrinkage cracks at joints.
- No curing required post application.
- Replacement for conventional cement and sand mortar.
- Thin bed joints and less material consumption.
- Save substantial cost compared to conventional mortar.
- Saves time - eliminates lengthy and cumbersome process of site mixing.

PRODUCT

READYPLAST M (SUPER) jointing mortar is made from a unique combination of special grade of cement, graded sand and selective polymer and additives. The unique chemical combination enables this mortar to more compact, thinner and more versatile. It is premixed and easy to use and also ensures the compaction of interlocking bricks making the bonds tougher and more durable. This mortar is specially designed to provide stronger, much more durable bonding between the blocks and superior adhesive strength. Technical Parameters complies with **ASTM C 1660-09**

USES

- Jointing of pre-stressed concrete slabs, panels.
- Jointing cement concrete floor tiles.
- Jointing of concrete window and door frames.

- It is recommended for masonry wall preparation by joining all types of AAC blocks, flyash bricks, flatbed concrete blocks etc with compressive strength approximately 8 N/mm².

TYPICAL PROPERTIES

Physical Appearance :	Grey powder
Water Powder Ratio :	0.25
Workability :	Very Good
Pot Life :	Apprx. 2 hrs @ 27°C 1.5 hrs @ 35°C 1 hrs @ 40°C

Tensile Adhesion

Strength @ 28 days :	0.8 N/mm ²
Dry bulk density :	1.5 to 1.60 kg/litre
Wet density :	1.75 to 1.85 kg/litre

TYPICAL STRENGTH DEVELOPMENT

Compressive strength :

AGE IN DAYS	COMPRESSIVE STRENGTH IN Kg/cm ²
3	70
7	110
28	200

7.07 cm X 7.07 cm size restrained cubes were tested

PACKING AND COVERAGE

READYPLAST M (SUPER) is available in 35 kg of woven bag.

Block Size (mm)			Wall Area Coverage
Length	Height	Thickness	(Sq. ft/35 kg bag)
600	200	75	175-195
600	200	100	155-175
600	200	125	135-155
600	200	150	115-135
600	200	175	75-115
600	200	200	65-75
600	200	230	55-65
600	200	300	35-55

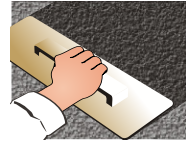
Note : The technical data provided in this data sheet is as per our internal lab testing and may vary as per the actual method of application at sites.

APPLICATION

Surface Preparation :

- Before the application of jointing mortar, the surface of masonry units should be slightly wet.
- The masonry units should be clean, with no loose particles or dust for better bonding.
- The surface must be structurally sound.
- Surface defects such as cracks, holes or voids should be repaired prior to application.

READYPLAST™ M (SUPER)



Mixing:

- **READYPLAST M (SUPER)** is ready for use only precise quantity of water to be added before use.
- For mixing the material, it is advisable to use mechanical stirrer for uniform mixing.
- For mixing use a clean vessel/bucket which does not have any hole or cut.
- Add some water in the empty vessel to ensure no powder gets stuck on the bottom of the vessel and put precise quantity of **READYPLAST M (SUPER)**.
- Add water in stages to get a smooth, uniform, workable mix.
- Ensure that no powder is left unmixed at the bottom of the vessel.
- The jointing mortar is now ready for application.

Application:

- Apply a thin uniform layer of Readyplast M (Super) 3 to 4mm thick on the clean and levelled surface of masonry units using proper trowel.
- Place the next course of masonry units on the evenly laid jointing mortar bed in proper line & level.
- After placing the first unit, apply the jointing mortar of same thickness as both the sides of the unit, keeping continuous check for line and level.
- Inside face of the masonry unit shall be buttered with mortar before the next unit is laid and pressed against it especially in case of brick masonry.
- Clean the excess material, if any immediately.
- Continue the procedure for the entire masonry work.

SHELF LIFE AND STORAGE

READYPLAST M (SUPER) will have a shelf life of **9 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 35°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

READYPLAST M (SUPER) is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water. In case of prolonged irritation, medical advice should be sought. **READYPLAST M (SUPER)** is non-flammable.

QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO 14001 & ISO 45001 (Occupational Health and Safety) certified by ISOQAR / UK.

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our laboratory in Baroda and technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

OUR RANGE OF PRODUCTS

CONCRETE ADMIXTURES WATERPROOFING SYSTEMS ENGINEERING GROUTS INDUSTRIAL FLOOR SURFACES	CONCRETE REPAIRS SURFACE TREATMENT PREPACKED CONCRETE MORTAR PROTECTIVE COATING	HIGHWAY REPAIR LIQUID FLOOR WALL FINISHING SYSTEM
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"Contact us to discuss any potential requirement and you will be assured of a rapid and effective response - that's guarantee !!!"



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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 our local FAIRMATE representative.