

TECHNICAL DATA SHEET

HOMESURE GYPEX MOISTSHIELD (Moisture Resistant Gypsum Plaster)

Homesure Gypex MOISTSHIELD – A Moisture Resistant Gypsum Plaster is specially designed to provide protection in wet areas like bathrooms, kitchens, basements, balconies, parking podium etc. It provides extra protection with low absorption of moisture from the air or from surface giving excellent results in skirting area application with problems arising out of capillary action and efflorescence. It can be directly used over backgrounds like bricks, blocks, RCC etc. and provides a smooth inter, high quality surface to internal walls and ceiling and a durable base for application for decorative finishes.

Product Description

Homesure Gypex MOISTSHIELD – A Moisture Resistant Gypsum plaster which consists of pure gypsum in the natural form formulated with special additives to control water absorption.

COMPOSITION	Gypsum, selected fillers, special additives
COLOUR	White
TESTS	Tested according to IS: 2542, IS: 2547, IS: 1288
FEATURES	• Excellent capillary • Water absorption coefficient test method- BS EN 1015- 18 • No water curing required • No shrinkage & cracks • Low consumption of paint
Benefits	• Smooth finish • Moisture resistance • Superior whiteness • No shrinkage cracks • Excellent bonding • Light in weight • Provide high coverage • Zero maintenance

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TECHNICAL ANALYSIS (CONFORMS TO IS: 2542, IS: 2547, IS: 1288)

PARAMETERS	SPECIFICATIONS
Whiteness	> 80 %
Consistency	60 – 70 %
Fineness (200)	< 2.5 %
Setting time	15 - 25 minutes
Density	1.0 -1.2 g/ml

MECHANICAL PROPERTIES

Water absorption co-efficient (Modified EN 1015-18)	< 0.2 kg/ (m ² . min 0.5)
Compression & Transvers strength (after 7 days)	
Compressive strength	> 1.0 MPa.
Transvers strength	> 0.5 MPa.
Dry adhesion strength	> 0.3 MPa.

GUIDANCE FOR USE

SUBSTRATE	- Concrete/Mortar walls (internal surface) - Direct application on Bricks, Blocks, RCC & Sand cement surface (Internal surface)
SUBSTRATE PREPARATION	- Clean loose particles, dirt, grease and traces of adhering material from the wall - PREPARATION surface should be completely clean & reasonable dry. Pre-wet the surface before application to achieve good workability and higher coverage
MIXING	- Mixing should be carried out in a clean tray or bucket - Mix HomeSure GypEx Moistshield moisture resistant gypsum plaster to water and not water to powder - Water to plaster ratio should be (1:5 part of water and 1 part of HomeSure GypEx Moistshield moisture resistant gypsum plaster maintained to provide a good workability - Mix HomeSure GypEx Moistshield moisture resistant gypsum plaster to water with the help of hand to form a uniform lump free paste
APPLICATION	- Install wooden strip / dhada or levelling strip in the area where the gypsum will be applied - Apply the 1st coat approx. up to 10mm to 12mm of thickness, before the first coat sets rake and cross rake the surface - Fill in any hollow area, level off and compact the surface. Before leveling, wait for 5-10 minutes for initial set, then apply the final finish coat

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	• Level the surface by using aluminum level patty. Apply thin slurry of HomeSure GypEx Moistshield moisture resistant gypsum plaster on the surface for finishing coat • Will take 72 hours to dry completely. (Depending on the thickness and humidity), the plain smooth levelled surface is ready for painting application
COVERAGE	• 20-25 Sq.Ft./ 25 Kg bag at 10mm thickness on plain surface • (or depending on substrate conditions)
USAGE PRECAUTIONS	• Use the material instantly after mixing • Don't add any additional dry material when the mix setting is in progress, since the performance properties of plaster will get altered, thus affecting workability, cohesiveness, adhesion, and strength. • A single coat should not exceed more than 8 mm to 10 mm of thickness • The surface on which the material needs to be applied should be levelled and pre-wet properly • HomeSure GypEx Moistshield moisture resistant gypsum plaster should not be applied on surface which is subjected continuous seepage or dampness
PACKAGING AND STORAGE	• Keep HomeSure GypEx Moistshield moisture resistant gypsum plaster bag away from water and dampen area • Homesure GypEx Moistshield moisture resistant gypsum plaster is available in 25 Kg bag and has a shelf life of 4 months if stored in cool and dry location • Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth closed • As temperature, humidity, water addition and other parameters vary from site to site; the above information should be treated as a general guideline
HEALTH & SAFETY	HomeSure GypEx Moistshield moisture resistant gypsum plaster bags contain only eco-friendly fillers and additives. However, it is advisable to avoid direct eye and skin contact with this. In case of eye contact, kindly wash with clean water for at least 15 minutes and seek medical help and keep it out of reach for children.

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control; hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.