



WATERGUARD I

HIGH PERFORMANCE, INSULATING
POLYMERISED WATER PROOF COATING

BENEFITS

- Pre-packed factory controlled, ensures consistent quality.
- Excellent resistance to water provides good insulation property(8°C variation).
- Minimum surface preparation is required.
- Can be applied on horizontal and vertical surfaces.
- Excellent flexibility.
- Easy to apply.
- Excellent bonding with the cement base substrates.
- Durable and High UV resistance.
- Non-toxic and corrosion resistant thus Eco-friendly.
- Available in attractive white color.

DESCRIPTION

WATERGUARD I is two part polymer based waterproofing coating, specially designed polymer to ensure perfect water tightness, with insulating property to cool down temperatures and ensures the flexibility to cover the thermal stresses. **WATERGUARD I** has an excellent frost resistance and can be used on vertical and horizontal surfaces.

USES

WATERGUARD I can be used as a thermal insulation coating on concrete metal surfaces, roof slabs and walls of building. It can also be used on the interior and exterior walls, roof of freezer rooms and cold storage facilities swimming pool.

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PROPERTIES

Color	:	Grey-White colored
drying time : Over	:	25-30min.@30°C surface
coating time : Service	:	3-4hours
temperature :	:	5°Cto45°C
Hardness Shore A	:	65
Water Penetration : UV	:	No water penetration
exposure 2000 hrs :	:	No
Thermal Conductivity	:	:0.09W/M°C
Heat Reflectance	:	>99%
Emittance	:	0.89

APPLICATION

Surface Preparation : All seepage and water leakages must be stopped using **WATERPLUG** plugging compound. (Refer relevant Data Sheet). Substrate must be sound, clean and free from loose particles or laitance or contamination and preferably be wire brushed. Where cracks are present, cracks must be repaired by using suitable crack sealing compound depending on the type of crack .Stirrings should be done during application.

Mixing : **WATERGUARD I** should preferably be mixed mechanically by using an electric drill and paddle attachment. Pour the liquid polymer in the container first and add powder slowly while mixing continuously until an even homogeneous mix of brushing consistency is obtained.

Application : The prepared surface must be thoroughly wetted with water for absorption and excess water to be removed. **WATERGUARD I** must be applied in 2/3 uniform coats. Mixed **WATERGUARD I** will remain for 20 minutes @35°C. Mixing in small quantities is recommended. For moderate & heavy load areas minimum 2mm thickness coating is recommended.

Cleaning : All tools must be cleaned with water immediately after use. Hardened material should be removed mechanically.

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PACKING&COVERAGE

WATERGUARD I is a pre-packed two component system consisting of 15 kg powder + 15 kg liquid, specially designed polymer processed cement and fillers, which covers approximately 30 to 40 m² depends upon the substrates.

SHELFLIFE&STORAGE

WATERGUARD I will have a shelf life of **12 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH &SAFETY

WATERGUARD I is non-toxic and alkaline in nature but any splashes on the skin should be washed off with water.

WATERGUARD I is a polymer based waterproof coating each to cover 30 to 40 m² per pack to be applied strictly in accordance with the instruction of DIMAPCHEM.

QUALITY ASSURANCE

DIMAPCHEM manufactures entire range of construction chemicals Protective coatings ,wood coatings ,decorative paints ,water proofing systems

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 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.

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 supersede by 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 DIMAPCHEM

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