

TECHNICAL DATASHEET

ASCOPROOF WP+

Integral Waterproofing Powder

Admixture For Mortar & Concrete

PRODUCT INTRODUCTION

ASCOPROOF WP+ is chloride free, hydrophobic water proofing powder admixture which reduces water absorption and permeability of the concrete. It is integral water proofing powder admixture with alkali resistant glass fibre and water repellent additives for use in concrete and mortar. **ASCOPROOF WP+** creates a permanent reduction of water permeability and enhances the durability of mortar and concrete. **ASCOPROOF WP+** also protects salt pater formation in mortar and concrete. **ASCOPROOF WP+** helps the plaster and cement based mixes to structurally sound substrates.

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RECOMMENDED APPLICATIONS

1. Water proofing of all types of water structures
2. Integral water proofing for concrete, mortar beds etc.
3. Waterproofing of slab
4. Water retaining structures, swimming pool & reservoir
5. General reconstruction work
6. Repair of old structure and external plaster
7. Basement wall and floor
8. Internal and external plaster
9. All sorts of cement based repair and renovation
10. Water proofing of column

KEY FEATURES

1. Cost effective
2. Minimal efflorescence and discolouration
3. Alkali resistant and non corrosive
4. Increases flexural and tensile strength of plaster
5. Fills the pore of the concrete and mortar
6. Improves water resistance
7. Reduces shrinkage and rebound loss
8. Excellent hydrophobic effect
9. Compatible with all types of OPC and slag cement
10. Easy compaction and increases the density

TECHNICAL PROPERTIES

Conforms to IS 2645

Appearance	Lump free pale yellow to off white powder
Bulk Density	0.75 ± 0.05 Kg./l
Chemical Base	Polymerized mineral powder
% Moisture	< 1 By Weight
Chloride Content	Chloride free

The values obtained are from laboratory testing conditions and at 27 ± 2°C . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.

APPLICATION METHODS:

1. DIRECTION OF USE : SURFACE PREPARATION

All surfaces to receive the application must be clean and free of debris, dirt, dust, efflorescence, grease, oil, curing agent, and cleaning solution. Ensure that all surfaces are smooth and free from any irregularity. Repair all cracks with the appropriate patching material like **ASCOREPAIR CRM** for the existing substrate. Painted or glossy surfaces must be roughened to ensure the bonding.

2. MIXING

This is ready to use powder admixture. Mix the powder with cement, sand, aggregate and add water as per the site condition and requirement of the mix. Normally 23 litre to 25 litre water is required for 50 Kg. bag of cement. Mix it for 3 to 5 minutes and apply

3. APPLICATION

Moisten the surface with water before applying **ASCOPROOF WP+** added mortar or concrete mix. It may be applied with a trowel or wooden spatula.

4. CURING

ASCOCURE AR 100 gives the best result for the curing.

5. COVERAGE

Around 2% of the total cement content or 1 Kg per 50 Kg bag of cement.

6. PRECAUTION

Use all the contents of the packet in single application for best result. Also homogenise the content thoroughly before and during the application by slow mixing.

7. SHELF LIFE

ASCOPROOF WP+ has a shelf life of 12 months when stored at ambient temperatures in airtight containers. The prolonged exposure to direct heat or direct sunlight must be avoided and protected under shade conditions.

8. HEALTH & SAFETY

ASCOPROOF WP+ is non-toxic and non-inflammable. If any contact with the skin occurs, wash the skin with soap and water and apply skin conditioning cream. If any contamination with eye occurs, wash with clean water. In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

9. PACKAGING

ASCOPROOF WP+ is available in 200 gm and 1 Kg. pack

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