TECHNICAL DATA SHEET

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MULTI CONSTRUCTION CHEMICALS

www.mccsa.co.za

MULTI HYSEAL 211

Two Part High Polymer Cementitious Waterproofing Slurry

Description

MULTI HYSEAL 211 is two-part waterproofing cementitious slurry with a high polymer content. High adhesion and water-resistant properties allow application to almost any surface. It seals concrete surfaces through moisture absorption, blocking the pores to prevent water penetration. Providing positive and negative waterproofing against dampness and ground water, as well as hydrostatic pressure.

Typical Applications

A slurry application for waterproofing sewage tanks, reservoirs and pools, shower walls and bases, balconies, pre-stressed concrete slabs.

Advantages

- Excellent adhesion
- High bond strength
- Improved impact resistance
- Easy application
- Waterproofing
- Non-toxic

Typical Properties

Appearance	Grey
Coverage	16m^2 per kit
Finish	Textured
Working Time	20 Minutes
Initial Set Time	30 Minutes
Hard Set Time	4 Hours
Overcoat Time	12 Hours
Application Temp.	15°C to 25 °C
Full Flex	3 Days
Waterproof Cure	5 Days
Application Thickness	1mm per coat
Target Thickness	3mm (3 coats)
Compressive Strength	15 MPa (1 day) 25 MPa (28 days)
Yield per Kit	16 Litres
Water Required	4 Litres

Watch Points

- Surfaces need to be able to dry out
- Do not add more water to the mix once initial set occurs
- Water addition must be checked on site for placement consistency
- Allow 5 days before exposing the slurry to extended water submersion.

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Directions for Use

Surface Preparation:

Surfaces are to be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, mould oil or curing compound from concrete surfaces using wire brush, bush hammer, scabbler or other plant as appropriate. When repairing damaged concrete, ensure that all loose concrete has removed down to a firm base. Repair with MULTI PLAST 1038 or MULTI GROUT CEM 60. Surfaces can be damp but not continually wetting out or bleeding water.

Priming:

No priming is required. Dry surfaces are to be wetted with water and remain damp during application of the MULTI HYSEAL 211.

Application:

Mix 20Kg MULTI HYSEAL (Powder) to 3Lts supplied white polymer liquid in a bucket using a mechanical mixer. Add additional 4 litres water MAXIMUM to obtain a slurry consistency. Less water can be added to obtain a thicker slurry mix. Ensure all lumps have been broken up and apply using a block brush or sprayer over surfaces. Use within 20 minutes of mixing with continuous agitation during application. DO NOT ADD MORE WATER to reconstitute the mix, rather discard the mix and make fresh. Apply with a sprayer or block brush or at a rate of 1mm thickness in one directional strokes (e.g. horizontally). Allow to cure for 12 hours between coats. Apply a second at right angles to the first one (e.g. vertically). A third coat maybe applied at right angles to the second coat (e.g. horizontally) after 12 hours where a high degree of certainly is required for waterproofing capabilities with a target thickness is 3mm. Once complete, keep exposed surfaces of the MULTI HYSEAL 211 damped down for 2-3 days using mist spray or using concrete curing compound to guard against premature dehydration of the slurry.

Equipment Care

All tools should be cleaned with water immediately after use. If delayed, equipment will need mechanical action to clean or be discarded.

Packing

Supplied in 20Kg powder and 3Lt liquid.

Quality Assurance

Multi Construction Chemicals South Africa (PTY) Ltd production and testing programs comply with all local and international testing standards.

REVISION: 3.1