

TECHNICAL DATA SHEET

PAS-TDS-WPF-005

MULTI HYSEAL 210 - Cementitious Surface Waterproofing System with bonding agent

Description

MULTI HYSEAL SLURRY is a two-part waterproofing system incorporating a blend of cementitious powders combined with proprietary activating chemicals and high-grade quality aggregate fillers with Hyseal Bonding Agent.

MULTI HYSEAL SLURRY is a waterproofing system for concrete, cementitious and masonry substrates. It penetrates the surface through moisture absorption and reacts with the free lime forming a hard crystalline material which blocks the pores against water penetration and becomes an integral part of the structure.

It provides positive and negative waterproofing against dampness and ground water as well as hydrostatic pressure.

Typical Applications

Basements, lift walls and tunnels
Sewage tanks, effluent pits Reservoirs,
canals, swimming pools Water Towers,
silos
Subways, manholes
Pre-stressed and precast concrete units

Advantages

Pre-blended
Available in two formulations Ease
of application - brush applied
Blocks passage of water - seals pores
Can be applied to wet surfaces or green concrete
Non-toxic and non-tainting

Typical Properties

Multi Hyseal 210

Colour:	210 - Grey powder, Hyseal Bonding Agent— White Liquid
Specific Gravity:	Multi Hyseal Slurry 2.0; Hyseal Bonding Agent 1.0
Working Time:	+ 60 minutes at 20°C
Setting Time:	Similar to concrete
Over Coating Time:	Minimum 12 hours depending on temperature
Application Temp:	10°C to 35°C
Durability:	Similar to that of Normal Portland Cement
Toxicity:	Non-toxic
Drinking Water:	Will not taint water once product has cured

Yield

One 25kg bag of MULTI HYSEAL SLURRY 210 or 211 when

mixed with 3 litres of Hyseal Bonding Agent and 6 litres of water will yield +16 litres of slurry.

Directions for Use

Surface Preparation

Surfaces to be treated must be free of dust, oil and grease. Any curing compound, mould oil, release agent or other surface treatment must be removed. Remove any laitance from concrete and weak delaminating mortar from brickwork. Brush down and clean off, leaving a sound substrate providing adequate bond for the applied slurry. Preparation is usually carried out using mechanical tools such as scabblers for floors and bush hammers for vertical surfaces. Static cracks greater in width than 1mm must be chased out, dampened down and repaired with a dry pack consistency of MULTI HYSEAL 210 which is then coated with a slurry of MULTI HYSEAL 210 or 211.

Mixing

Mix 1 x 25kg bag MULTI HYSEAL SLURRY to 3 litres of Hyseal Bonding Agent and 6 litres of water to produce a suitable brush-on mixture.

Using a suitable container, add the powder to the liquid and stir to produce a thick slurry. Whilst applying the product, occasionally stir the slurry to prevent settlement of the solids within the container.

Do no re-temper the product once it has started to set

Application

If there is exposed reinforcement within the treatment area, coat with Hyseal Bonding Agent where it enters the concrete, to ensure sound bonding is achieved.

Prior to application, pre-saturate with water, the area to be treated and ensure any free-standing water is removed before commencing with the coating.

Apply the material in two or three coats, each coat at right angles to the other. For adequate waterproofing protection and results, an average coverage of 3-4kg /m2 should be specified. Allow 12 hours curing between each and subsequent coats

Curing

MULTI HYSEAL SLURRY must not dry out too rapidly and should be kept damp for a minimum of 2 to 3 days.

Watchpoints

Protect treated areas from mechanical damage, apply a mortar screed or render.

Protect newly treated surfaces from frost and rain.

Use rubber or plastic gloves to protect against cement burns



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+268 7602 6985



www.pasiffire.com



info@pasiffire.com



Matsapha Industrial
Site, Eswatini

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Colours

MULTI HYSEAL 210 SLURRY is available in selected colours, i.e. black, white, sandalwood and tile red.

Packaging

MULTI HYSEAL SLURRY is supplied in a kit containing 25 Kilograms of MULTI HYSEAL powder and one 3 litre bottle HYSEAL BONDING AGENT.

Quality Assurance

Pasiffire SD Projects (Pty) Ltd production and testing programmes comply with local and international testing standards.

The information contained herein is based on our current knowledge and experience. It is the user's responsibility to ensure that the product is suitable for the intended application. Pasiffire SD Projects (Pty) Ltd reserves the right to change product specifications without prior notice.

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