

DATA SHEET / HYCOAT 500 WATERPROOFING PRIMER KIT

GENERAL DESCRIPTION:

HYCOAT 500 is a two part waterproofing system incorporating a blend of cementitious powders combined with proprietary activating chemicals and high grade quality aggregate fillers with HYCOAT BONDING AGENT. HYCOAT 500 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.

COLOUR RANGE:

HYCOAT - grey powder

PACKAGING:

HYCOAT 500 is supplied in a kit containing 25kg of HYCOAT POWDER and a 3 liter bottle of HYCOAT BONDING AGENT.

HYCOAT 500 is also supplied in a kit containing 5kg of HYCOAT POWDER and a 0.6 liter bottle of HYCOAT BONDING AGENT.

ADVANTAGES:

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

APPLICATIONS:

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

DIRECTIONS:

SURFACE PREPARATION: Surfaces to be treated must be free of dust, oil and grease. Any curing compound, mould oil, release agents or other surface treatments 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 HYCOAT which is then coated with slurry of HYCOAT 500.

Mix 1 x 25kg bag HYCOAT 500 to 3 liters of HYCOAT BONDING AGENT and 6 liters of water to produce a suitable brush-on mixture. Using a suitable container, add the powder to the liquid and stir to produce thick slurry. Whilst applying the product, occasionally stir the slurry to prevent settlement of the solids within the container. *Do not retemper the product once it has started to set.*

If there is exposed reinforcement within the treatment area, coat with HYCOAT BONDING AGENT where it is exposed, to ensure sound bonding is achieved. Prior to application, pre-saturate the area to be treated with water 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, an average coverage of 3-4kg / m² should be applied.

Allow 12 hours curing between coats. HYCOAT 500 must not dry out too rapidly and should be kept damp for a minimum of 2 to 3 days.



WATCH POINTS:

- Protect treated areas from mechanical damage, cover with a mortar screed or render.
- Protect newly treated surfaces from frost and rain.
- Use rubber or plastic gloves to protect against cement burns.

Type	Cementitious powder
Colour	HYCOAT – grey powder
Bonding agent	White liquid
Working time	±60 min / 20°C
Setting time	Similar to concrete
Overcoating time	Min 12 hours depending on temperature
Application temperature (ambient)	10°C-35°C
Durability	Similar to that of normal Portland cement
Toxicity	Non toxic
Drinking water	Will not taint water once product has cured
Coverage 25kgs	25kgs : 3 Litres bonding agent : 6 litres water = 16 Litres Slurry = 10-12m ² coverage
Coverage 5kgs	5kg: 0.6 liters Bonding Agent : 1.2 liters water = 3.2 liters of slurry = 2 to 3m ² coverage