

YASH SEAL PROOF 181



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Flexible acrylic cement modified waterproof coating.

Description

YASH SEAL PROOF 181 is a two component polymer modified cementitious, flexible waterproof coating for internal and external applications available in many attractive colours.

Applications

For waterproofing of water retaining structures and reservoirs.

To provide protection for concrete substrates and masonry against carbon dioxide, chloride ions, water and de-icing salts.

Advantages

Waterproof, suitable for water retaining structure and basements.

Breathable, water vapour permeable.

Durable, excellent resistance to UV attack.

Excellent protection against carbon dioxide, chloride ions and water.

Non-toxic, suitable for drinking water.

Cost effective, quick and easy brush or spray application.

Suitable for internal and external applications.

Method of Use

Substrate Preparation

The surfaces to be coated should be clean, sound, and free from any contamination. Remove any traces of curing compound, laitance, organic growth or any other loose materials. This is best obtained by using high pressure water or light grit blasting.

Honey combing, damaged or deteriorated concrete exists,

the substrate should be repaired using suitable low permeability repair mortar from DCP repair systems before commencing the coating.

Priming

No primer is required, but substrates should be presoaked with clean water prior to application of YASH SEAL PROOF 181.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill filled with suitable paddle should be used.

Technical Properties @ 25°C:

Mixed density	: 1.85 ± 0.05	
Working time	: 45 min @ 30°C	
Resistance to water pressure:	> 30 m (3 bars) positive @ 2 mm thickness (DIN1048)	
Mixing ratio	: 5 kg liquid polymer with 9 kg powder	
Minimum application Temperature	: 5°C	
Chloride ion resistance	Coated	Uncoated
	% Cl penetration	% Cl penetration
3 months	0.0003	0.018
6 months	0.0003	0.035

The 5 kg of YASH SEAL PROOF 181 liquid should be added to a clean container. The 9 kg powder is then added slowly to the liquid while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

Application

YASH SEAL PROOF 181 can be applied by brush or spray. The mixed material should be brushed well into the surface. Strike off with the brush in one direction. Care must be

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taken not to spread the material too thin. When the material begins to drag, do not add any water, but dampen the surface again.

Leave the first coat overnight to cure before applying the second coat. If the first coat is left for more than one day or if it is very dry, pre-soaking with clean water is needed before applying the second coat.

The second coat shall be applied by brush in a similar way to the first layer but preferably perpendicular to the previous layer to ensure good bond and coverage.

Cleaning

All tools should be cleaned immediately after finishing by clean water. Hardened materials should be cleaned mechanically.

Remarks

YASH SEAL PROOF 181 should not be applied to frozen substrate or if ambient temperature is below 5°C or expected to fall below 5°C.

Packaging

YASH SEAL PROOF 181 is available in 14kg pack (5 kg polymer & 9 kg powder). & 20kg pack (10 kg polymer & 18 kg powder).

Coverage

Approximately 15 to 18 m² per 18 kg + 10 kg pack for 2 coats

Storage

YASH SEAL PROOF 181 has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 50°C.

If these conditions are exceeded, YASH Technical Department should be contacted for advise.

Cautions Health and Safety

As YASH SEAL PROOF 181 contains Portland cement and sand, YASH SEAL PROOF 181 may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advise.

Fire

YASH SEAL PROOF 181 is nonflammable.

More from YASH CONCHEM Products

A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

Note : We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, Yash cannot accept any liability either directly or indirectly arising from the use of Yash products, whether or not in accordance with any advice, specification, recommendation or information given by us.