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MasterSeal® 536

General purpose polymer cement waterproofing slurry

DESCRIPTION

MasterSeal 536 is a prepacked system, consisting of acrylic polymer as Part A and a premixed cementitious powder as Part B. The two parts on mixing yield a brushable, smooth slurry with excellent bond to most substrates.

RECOMMENDED USES

MasterSeal 536 is designed to be used as an effective waterproofing membrane on a variety of substrates. Applications include:

- waterproof coatings to the internal faces of sumps, planter boxes etc., before tiling or other surface finishing;
- treating terraces, balconies, kitchen and toilet floors as a sandwich treatment, to prevent water ingress;
- treating bridge and flyover decks before wearing course to protect concrete from rainwater ingress.

FEATURES AND BENEFITS

- **Cost effective/general purpose** – Need only minimum surface preparation; economical to apply.
- **Permeable to water vapours –** Allows surface to breath, preventing buildup of vapour pressure.
- **Flexible** – Can withstand moderate movements of hairline cracks.
- **Brushable consistency** – Easy to apply by brush or spray.

PROPERTIES

Pull off bond strength	>1.0 N/mm²
Water Penetration Test (0.5kg/cm²)	<1.0 mm

	Part A	Part B
Supply form	Liquid	Powder
Color	White	Grey
Mixed material	Grey slurry	
Working time @ 20°C @ 30°C	 1 hr (approx.) 0.5 hr (approx.)	
Application temperature	> 5°C	

ESTIMATING DATA

The minimum recommended coverage of **MasterSeal 536** is 1.0 to 1.5 kg/m² to get 0.5 mm to 0.8 mm thick wet film build per coat. Actual coverage depends upon the method of application, the texture and porosity of the surface.

Therefore material requirement is approximately 2 kg/m² for 1 mm thick coating.

Note: mix only complete packs.

APPLICATION

Surface Preparation

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound direct tensile strength of more than 1.5MPa via a pull off tester with a load rate of 100N/s), clean, and free from laitance, loose particles, oil and grease, old coatings, curing compounds or any other contaminants.

Cement laitance, loose particles, mould release agents, curing membranes, and other contaminants must be removed by wet grit blasting, high pressure water jetting (approx. 150 bars) or such other effective methods.

Prior to application use **MasterEmaco** repair mortars to achieve a smooth and level surface by filling holes and irregularities.

The prepared substrate should be saturated (saturated surface dry) with clean water before applying **MasterSeal 536**.

Mixing

Mechanical mixing is necessary. A slow speed (300 rpm), heavy duty electric drill with a wing type paddle is recommended. Place approx. 75% of Part A of the pack in a clean pail. Keeping the mixer running, add the Part B slowly. Mix for at least 3 minutes to get a lump-free homogenous mix. While continuing to mix, add all of the remainder of Part A if applying on a horizontal surface, or a part of it if applying on vertical surfaces till the required consistency is obtained.

Placing

It is extremely important that the area being treated is shaded from direct sun and wind to prevent rapid drying of the coating.

Apply **MasterSeal 536** evenly with a stiff brush or by spray, onto the prepared surface, to give a continuous film. The total film build up should be 1 to 2 mm on vertical & overhead surfaces and 1

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to 3 mm in case of horizontal surfaces, which should be built up in at least two coats, subsequent coat applied after previous coat has dried.

To avoid pin holes, apply the second brush coat at right angles to the direction of first coat.

In hot climates, it may be necessary to retard the setting time of **MasterSeal 536** to minimise the risk of frequent choking of the spray nozzle. Consult BASF Construction Chemicals Representatives for advice.

CURING

Slow drying of **MasterSeal 536** membrane ensures homogenous curing and high waterproofing characteristics.

MasterSeal 536 must be protected against rapid drying due to high temperatures or wind. Curing by wet burlap, polyethylene sheet or a curing compound such as **MasterKure181** is recommended.

PACKAGING

MasterSeal 536 is available in 25 kg packs.

Part A: 5.60 kg plastic pail

Part B: 19.40 kg paper bag

SHELF LIFE

MasterSeal 536 can be kept for12 months in original unopened packing when stored indoors. Do not store in direct sunlight and avoid allowing the material to freeze which will render the material unusable.

CLEANING

Clean tools using water and rags before the resin system hardens. Hardened material can only be removed mechanically.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

ID# MasterSeal 536 ASEAN v1.1 0113

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BASF Construction Chemicals offices in ASEAN

Singapore	Malaysia	Indonesia	Thailand	Vietnam	Philippines	Hong Kong
Tel: +65-6861-6766	Tel: +60-3-5628-3888	Tel: +62-21-526-2481	Tel: +66-2-769-8564	Tel: +84-650-374-3100	Tel: +63-2-811-8000	Tel:+852-2408 4400
Fax: +65-6861-3186	Fax: +60-3-5628-3776	Fax: +62-21-526-2493	Fax: +66-2-769-8584	Fax: +84-650-374-3200	Fax: +63-2-838-1025	Fax:+852-2408-4401

Website: www.ap.cc.basf.com