



The Chemical Company

MASTERSEAL[®] 536

General Purpose Polymer Cement Waterproofing Slurry

DESCRIPTION

MASTERSEAL 536 is a general purpose two part, prepacked system, consisting of acrylic polymer as Part A and a premixed powder as Part B. The two parts on mixing yield a brushable, smooth slurry with excellent bond to most substrates. The product is based on selected synthetic resins, graded hard wearing aggregates, performance additives and cements.

RECOMMENDED FOR

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 build up of vapour pressure.
- **Flexible**-Can stand moderate movements of hairline cracks.
- **Brushable consistency**-Easy to apply by brush or spray.

PERFORMANCE DATA

Pull off bond strength	:	>1.0 N/mm ²
Water Penetration Test (0.5kg/cm ²)	:	<1.0 mm

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 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: Avoid using part packs. Use only mix of complete pack.

PROPERTIES

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

APPLICATION

Surface Preparation

Correct substrate preparation is critical for optimum performance.

Surfaces should be structurally sound, clean, and free from loose particles, oil, grease, or any other contaminants.

Cement laitence, 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.

Fill surface irregularities such as blow holes, honeycombs etc., with an EMACO[®] repair mortars to achieve a smooth and level surface.

Saturate the prepared substrate with clean water before applying **MASTERSEAL 536**.

Mixing

Mechanical mixing is necessary. A slow speed (600 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 rays 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 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.



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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 **MASTERKURE 181** is recommended.

Note : Worm - gear type of sprayers do not normally have a mixing arrangement. Therefore, material has to be mixed separately and fed to the spraying machine.

CLEANING

Clean tools and equipment with water, before the waterproofing coating hardens.

PACKAGING

MASTERSEAL 536 is available in 25 kg packs.

Part A : 5.60 kg carboy

Part B : 19.40 kg bag
(Packed in multi-ply paper sack with polythene liner)

For large jobs, bulk packing of Parts A and B are also available.

SHELF LIFE

MASTERSEAL 536 can be kept for 12 months from date of manufacture if stored in tightly sealed original packaging, in dry and cool enclosed area.

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 Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. **BASF Construction Chemicals data sheets are updated on a regular basis and it is the user's responsibility to obtain the most recent issue.**

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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