



We create chemistry

MasterSeal® 551(IN)

Elastomeric acrylic reinforced cementitious, waterproofing coating for concrete and masonry

DESCRIPTION

MasterSeal 551(IN) is an elastomeric flexible, two component acrylic modified cementitious coating applied by brush, roller or trowel to waterproof concrete & masonry.

RECOMMENDED USES

MasterSeal 551(IN) is designed to be used as an effective waterproofing membrane on a variety of substrates. Applications include:

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

FEATURES AND BENEFITS

- **Waterproof** – Suitable for internal and external waterproofing.
- **Polymer Modified** – Improved bond strength on a variety of substrates (porous and non-porous)
- **Flexible** – Copes with the slight thermal movement of concrete structures.
- **Suitable for contact with potable water** – Non Toxic, can be used for lining concrete water tanks.
- **Vapour permeable** – Whilst repelling water, allows concrete to breathe thus preventing osmosis.
- **Compatible with moist surfaces** – Can be applied to 24 hour-old concrete thereby giving immediate protection.
- **Robust** – suitable for occasional foot traffic.

PROPERTIES

Density	1.7 ± 5% (Kg/m³)
Mix ratio (Powder to liquid)	2.6:1 by weight
Water penetration DIN 1048	5 bar, no leakage
Potlife @ 25°C	2 hours
@ 40°C	0.5 hours

Re-coatable time:	8-12 Hours
Elongation at Break (ASTMD 412-2016)	>40%

APPLICATION

Surface preparation

Correct substrate preparation is critical for optimum performance. Surfaces should be sound, clean, and free from laitance, loose particles, oil and grease, old coatings, curing compounds or any other contaminants. Mechanical wire brushing may be appropriate for small areas.

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

Mixing

MasterSeal 551(IN) is supplied in premeasured units and should be mixed on site utilizing clean containers. Slowly add the powder to the liquid and mix, using a slow speed (300rpm) heavy duty electric drill fitted with a suitable paddle. Place approx. 75% of Part A of the pack in a clean pail. Keeping the mixer running, add Part B slowly. Mix for at least 3 minutes to get a lump free homogeneous 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. Allow to stand for 2-3 minutes and remix before application.

Mix & Use; do not mix more material than can be used in half hour. Do not apply to dry concrete.

Saturate concrete surfaces with clean water and apply whilst still damp (saturated surface dry), using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary.

Where more than one coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried in an opposite direction to first coat.

It is recommended, for general resurfacing, that each coat should be a minimum of 1mm thick.

Apply dash coat using cement: river sand in 1:3 on final cured coat of Master Seal 551 (IN) and allow it to cure for 2-3 days followed by protective plaster admixed with MasterPel 777. For Horizontal



We create chemistry

MasterSeal® 551(IN)

protection – Protective screed to be done within 2-3 days.

Spray application is recommended for large areas, details of suitable equipment can be provided by BASF's Technical Service Dept.

Placing

It is extremely important that the area being treated is shaded from direct sunlight, protected from high temperature and wind to prevent rapid drying of the coating.

CLEANING

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

ESTIMATING DATA

1.8 kg / m² at 1 mm thickness.

Note: The consumption shall vary due to unevenness, porosity and roughness of concrete and masonry substrate.

PACKAGING

MasterSeal 551(IN) is available in 18 kgs pack consisting of:

Part A (Liquid) – 5 Kgs in plastic container

Part B (Powder) – 13 Kgs in paper bag

SHELF LIFE

MasterSeal 551(IN) can be kept for 12 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.

PRECAUTIONS

For detailed Environmental, Health and Safety information, please consult and follow all instructions on the product Material Safety Data Sheet. Contact your local BASF office for the latest version.

MasterSeal 551IN/01/0919

STATEMENT OF RESPONSIBILITY (Disclaimer)

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.

® = registered trademark of BASF group in many countries

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF Construction Chemicals 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.

BASF India Limited
Construction Chemicals Division
Plot.No.12,TTC Area
Thane Belapur Road,Turbhe
Navi Mumbai - 400705,India
Tel: +91 22 67127600, Fax: +91 22 67917358
E-mail: construction-india@basf.com , www.master-builders-solutions.basf.in

