

# MasterSeal® 521

**Polymer modified cementitious, durable, waterproof coating**

## DESCRIPTION OF PRODUCT

**MasterSeal 521** is a two-component, polymer modified, cementitious coating that requires only on-site mixing to form the ideal product to provide a durable, waterproof coating to re-surface concrete, masonry, and most other construction materials. **MasterSeal 521** imparts the natural concrete appearance.

**MasterSeal 521** provides an effective barrier to water-borne salts and atmospheric gases.

**MasterSeal 521** is designed for application by brush or spray; however for filling larger depressions, it can be mixed to stiffer consistency and applied by trowel.

## TYPICAL APPLICATIONS

- To re-face and even out variations in concrete surfaces
- As a waterproof coating for water-retaining structures like water tanks, pools, reservoirs etc.....
- To provide foundation protection
- As a backing to marble and granite to prevent water ingress, and thus alleviate surface staining
- To provide protection to concrete surfaces from carbonation and chloride attack
- For use on pedestrian walkways in marine areas

## ADVANTAGES

- Excellent adhesion – bonds to porous and non-porous surfaces
- Limited flexibility
- Suitable for light pedestrian traffic
- Breathable – whilst repelling water, allows substrate to breathe
- Slurry or trowelable consistency; application is still possible by spray
- Unlike conventional coatings, which require a 7-28 day cure of concrete,

**MasterSeal 521** can be applied to 24 hour-old concrete, thereby giving immediate protection

## PACKAGING

**MasterSeal 521** is available in 30kg double pack (23kg powder+ 7kg liquid).

## COLOURS

**MasterSeal 521** is available in light grey

## COMPOSITION

**MasterSeal 521** is composed of specially selected cements, silica sand and reactive fillers supplied in powder form together with a liquid component of blended SBR copolymers and wetting agents.

## TYPICAL PROPERTIES

Density:	Approx. 2000 kg/m <sup>3</sup>
----------	--------------------------------

## CHEMICAL RESISTANCE

**MasterSeal 521** has outstanding wear resistance and waterproofing.

## APPLICATION PROCEDURE SURFACE PREPARATION:

As with all coating systems, surface preparation is of prime importance. Remove all grease, oil, dust and residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro jetting. Mechanical wire brushing may be appropriate for small areas.

Spalled concrete should be cut back to sound concrete and made good with a suitable cementitious repair mortar, such as MasterEmaco 488. Conventional concrete curing compounds should be removed before application. The exception to this is when MasterKure 101 has been used.

# MasterSeal® 521

## MIXING:

**MasterSeal 521** is supplied in pre-measured units and should be mixed on site utilising clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle. MIX AND USE. Do not mix more material than can be used in one hour.

NOTE: Although **MasterSeal 521** is supplied in pre-measured packs, part packs can be used by mixing 4.5 parts of powder to 1 part of liquid by weight; mix thoroughly and keep mixed during application.

DO NOT RE-TEMPER WITH WATER.

## APPLICATION

Do not apply to dry concrete. Saturate concrete surfaces with clean water whilst still visibly damp, but free of standing water. Apply, using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary. For heavy 6-10mm depressions, honeycombs, etc., use less gauging liquid and mix to the desired consistency. 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.

Spray application is recommended for large areas; details of suitable equipment can be provided by BASF's Technical Services Department.

## COVERAGE

0.75-0.9kg/m<sup>2</sup>/coat, depending on the substrate roughness. (Minimum 2 coats are required).

## STORAGE

Store out of direct sunlight, clear of the ground, on pallets protected from rainfall. Avoid excessive compaction.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult BASF's Technical Services Department.

## SHELF LIFE

Up to 12 months if stored according to manufacturer's instructions in unopened containers.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

# MASTERSEAL® 521

---

## QUALITY STATEMENT

All products manufactured by BASF Egypt, or imported from BASF affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2000, ISO 14001:2004 & OHSAS 18001:1999 standards.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries

BASF-CC, Egypt  
Business Park A, Building A1,  
Cairo Festival City, Ring Road  
New Cairo, Egypt  
Factory: Sadat City, Piece 118  
Zone 4  
Tel.: +2 25980800  
Tel.: +2 012 393 98 44  
Fax: +2 25980801  
Tel.: +2048 2658107/8  
Fax: +2048 2658106

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

website: [www.master-builders-solutions.basf.com.eg](http://www.master-builders-solutions.basf.com.eg)

As all BASF technical datasheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue. Most recent issue is available on the website at [www.master-builders-solutions.basf.com.eg](http://www.master-builders-solutions.basf.com.eg)

BASF\_CC-EG/Seal\_521\_09\_10/v1/08\_15

