MasterSeal® 582
Formerly Thoroseal®
Foundation Coating

Waterproof Cement-Based Coating
for Exterior Below-Grade Concrete and Masonry

MasterSeal 582 is a waterproof cement-based coating for below-grade exterior concrete and masonry surfaces to protect building interiors from dampness and moisture damage. When mixed with MasterEmaco A 660 admixture, MasterSeal 582 creates a cost-effective, durable waterproofing barrier.

Information provided in this document is intended as a guideline for product use. Before using this product, download and read the full Technical Data Guide, including Mixing, Application and Safety details on the BASF / Master Builders Solutions website.

www.master-builders-solutions.basf.us

SURFACE PREPARATION:
Surface preparation is extremely important for proper adhesion. All surfaces to be coated must be clean and structurally sound. Chip, sand or shotblast, wet blast or high-pressure water wash to remove all foreign matter, dust, dirt, paints, oils, grease, coatings, laitance or any other surface contaminants. Roughen or brush blast extremely smooth surfaces such as precast and cast in place concrete to ensure good mechanical adhesion of MasterSeal 582.

All static cracks or breaks, joints, voids or honeycombing larger than 1/32” should be cut out and repaired with MasterSeal 590 Hydraulic Cement or other BASF Repair material. If any doubt exists about the suitability of a substrate to receive MasterSeal 582, then a bond test should be conducted. On block or masonry substrates, relieve excess water pressure in the substrate by tapping in weep holes at the base before applying MasterSeal 582.

Concrete and/or masonry should be surface saturated dry. Consult the MasterSeal 582 technical data guide for further details.
MIXING:
MasterSeal 582 must be modified with MasterEmaco A 660 to achieve the published properties.

MasterSeal 582 powder may be mixed by hand or by using a slow-speed drill and mixing paddle. For best results, mechanically mix MasterSeal 582 with a slow-speed drill and mixing paddle. Gradually add the powder to the mixing liquid while drill is running.

Mix the MasterSeal 582 powder using a solution consisting of MasterEmaco A 660 diluted with clean water. Dilution ratio is one part MasterEmaco A 660 to three parts water. Approximately 6 quarts (5.7 L) of mixing liquid is needed per 50 lb (22.7 kg) bag of MasterSeal 582 powder.

Allow the mixed MasterSeal 582/MasterEmaco A 660 to rest undisturbed for a minimum of 10 minutes to fully wet out all the powder and fully activate the waterproofing elements. Remix the wet material and then apply to the substrate. When remixing, a small amount of mixing solution may be added for better workability. Pot life of the mixed material is 60 – 90 minutes at 70 °F (21 °C). At high temperatures and low relative humidity, pot life can be significantly less.

APPLICATION:
MasterSeal 582 may be applied by spray, stiff fiber brush or broom. Apply the material on the substrate filling all pores and voids. It is essential that the first coat is well brushed into the substrate even if the application is by spray.

For ordinary water pressure or dampness in block or concrete foundations, apply two evenly distributed applications of MasterSeal 582, each a minimum of 2 lbs/yd² (1 kg/m²) or a total 4 lbs/yd²/ (2 kg/m²). Make sure both applications carry down to and over footer, forming a 1 1/2” (38 cm) cove at junction of walls and footer. Finish the coat with smooth horizontal strokes. Allow the material 24 hours to cure before applying a second coat and finish with a vertical stroke.

**Must add MasterEmaco A 660 acrylic-polymer emulsion for peak performance: improves adhesion, bonding, curing, and resistance to freeze-thaw damage. Adds flexural strength and improves overall durability of the coating.**

APPROXIMATE COVERAGE:
225 ft²/50 lb bag (20.9 m²/22.7 kg bag) as a base coat at 1/16” (1.6 mm) dry-film thickness.
450 ft²/50 lb bag (41.8 m²/22.7 kg bag) as a topcoat at 1/32” (0.8 mm) dry-film thickness.
Coverage will vary depending on surface texture and porosity.

CLEAN UP, STORAGE AND DISPOSAL:
Promptly clean hands and all tools with warm water while product is still wet. Cured material may only be removed mechanically.

Transport and store in unopened containers and keep in a clean, dry place protected from rain, dew and humidity. Do not stack bags more than two pallets high. Store MasterEmaco A 660 in similar conditions. Do not allow MasterEmaco A 660 to freeze.

LIMITATIONS:
- Do not apply MasterSeal 582 to surfaces that have not been properly cleaned or are unsound.
- MUST NOT be applied to painted surfaces.
- For NSF applications, refer to the MasterSeal 582 data sheet
- Do not apply in rain or when rain is expected within 24 hours. Do not apply above 90 °F (32 °C) or below 40 °F (4 °C) or when temperatures are expected to fall below 40 °F (4 °C) within 24 hours. For hot and cold temperature applications, store MasterSeal 582, MasterEmaco A 660 and water at 50 to 70 °F (10 to 21 °C) before use.
- Not intended as a decorative finish coat.
- For additional limitations, cautions and warnings, reference the technical data guide for MasterSeal 582.

Limited Warranty Notice:
BASF provides a limited warranty on its products. For the complete limited warranty statement please refer to the MasterSeal 582 Technical Data Guide on the Master Builders Solutions website.

Master Builders Solutions from BASF
The Master Builders Solutions brand brings all of BASF’s expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of BASF construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide.

We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction. The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts and performance flooring solutions.