

MasterSeal® Traffic 1500

Waterproofing Under Thin Set Tile

FORMERLY WATERPROOFING WITH SONOGUARD® UNDER THIN SET TILE

When a liquid elastomeric waterproof membrane is required under tile using a thin set mortar, BASF recommends the use of MasterSeal Traffic 1500 waterproofing system prior to the tile installation. The following is a recommended procedure for installing the MasterSeal M 200 in these instances:

SURFACE PREPARATION

Concrete must be fully cured (28 days), structurally sound, clean, and dry, substrate moisture can be checked using the "Plastic Sheet Method" (ASTM D 4263). All concrete surfaces (new and old) must be shot-blasted to remove previous coatings, laitance, and all miscellaneous surface contamination and to provide profile for proper adhesion. Abrasive shot-blasting must occur after concrete repair has taken place. Proper profile should be a minimum of ICRI CSP-3 (approximately 80 – 100 grit sandpaper).

CHANGES IN PLANE

At all horizontal to vertical intersections, or changes in plane, a sealant cant bead such as MasterSeal NP 1 / NP 2 should be used. After the sealant has cured, apply a detail stripe coat of MasterSeal M 200.

CRACKS

For non-moving joints and cracks less than 1/16" (1.6 mm) wide, apply primer when required, followed by 25 wet mils (0.6 mm) pre-stripping of MasterSeal M 200.

The Base Coat must be applied to fill and overlap the joint or crack 3" (76 mm) on each side. Feather the edges. This applies to cracks or butt joints in cement board underlayment also, if it is used as the substrate under the waterproofing. Reinforce all seams between concrete cement board sheets and between any dissimilar materials such as metal pans or flashing by embedding MasterSeal 995 into the pre-stripping detail coat. For moving cracks or cracks larger than 1/16" route out to 1/4x1/4" and fill with a good quality urethane sealant, such as MasterSeal NP 1 or NP 2.

BASE COAT

In most cases a primer is not required for the MasterSeal system. Apply 25 wet mils (0.6 mm) MasterSeal M 200 using a proper notched squeegee at 60 ft²/gallon (1.5 m²/L). Immediately backroll to level MasterSeal M 200. Allow to cure overnight.

TOPCOAT

Apply MasterSeal TC 225 at 15 – 20 mils (approximately 80 – 90 ft²/gal.). Immediately back roll to level the material. Once back-rolled, while the coating is still wet broadcast MasterSeal 941 or 16 – 30 rounded silica sand to refusal at 50 – 70 lbs/100 ft². Allow material to cure 8 – 10 hours and remove any excess aggregate by sweeping and thoroughly vacuuming the surface. Allow 24 – 48 hours cure time depending on temperature prior to installing the thin set.

CAUTIONS

- Due to the large number of thin set mortars available, it is the users' responsibility to insure compatibility between MasterSeal Traffic 1500 and the mortar being used. The aggregate in MasterSeal TC 225 is meant to create a mechanical bond with most mortars.
- Insure all excess aggregate is removed and the surface is clean prior to installing the thin set mortar to prevent the aggregate from acting as a bond breaker.
- If a drain is incorporated at the level of the waterproofing membrane, the MasterSeal M 200 should overlap onto the metal flanges of the drain.

This system should be used only where positive drainage is available. Do not use this system for total immersion situations, such as pools or fountains.

HEALTH , SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbscst@basf.com or calling 1(800) 433-9517. Use only as directed. For medical emergencies only, call ChemTrec® 1(800)424-9300.

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