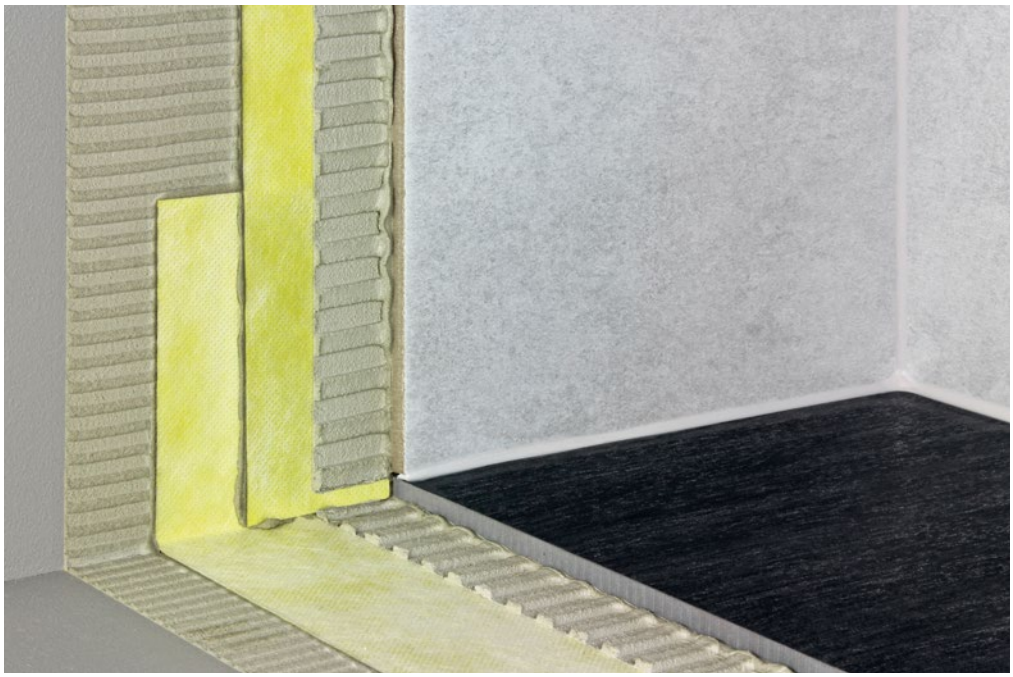
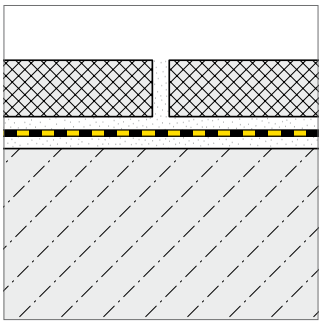
DURABASE WP

Composite waterproof mat for walls and floors in indoor areas

- Installation Instructions -





GENERAL:

Please refer to our DURABASE WP Product Information leaflet. You can view this leaflet online at www.dural.com.

The generally recognized rules of good engineering practice must always be observed!

The following applies to all products/materials: suitability with respect to mechanical and chemical stresses must be checked carefully prior to installation of the mats. Protect the material from long periods of exposure to sunlight.

DURABASE WP has been tested as a sealing material for use in conjunction with tiled and slab flooring for the waterproofing of buildings against non-pressing water under high stress, e.g. wet rooms in public and private buildings. Information on suitable system components is available at dural.com.

INSTALLATION INSTRUCTIONS:

1. The floor making up the subfloor must be dry and free of any material that would impair adhesion. It must be level, able to bear weight and free from cracks. Any repairs must be carried out prior to the installation of DURABASE WP. The installation subsurfaces can be pretreated with a suitable primer as required. For cements screeds, a residual moisture level of less than 2 wt % is applicable, and for calcium sulphate screeds, less than 0.5 wt %.
2. Use a 4 x 4 mm serrated trowel to apply the thin-bed or flexible mortar to the subsurface. The adhesive should be chosen according to the subsurface type. The adhesive must bond and mechanically join to the carrier fabric of the DURABASE WP matting.

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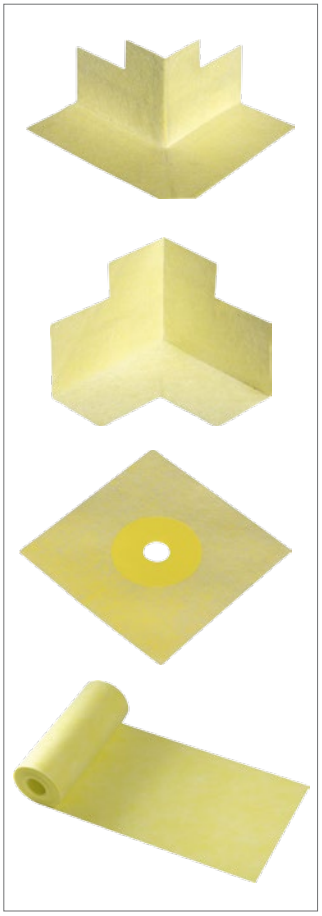
1. Produce a watertight seal for transitional areas between walls and floors with WP sealing tape. Seal internal and external facing corners, as well as pipe connections, using DURABASE FLEX customized prefabricated molded parts, making sure to bond these across the entire surface area to the subfloor, sealing layer or penetrations.
2. Embed the entire surface of the blank side of the cut-to-size mats into the adhesive. Here, pay attention to the adhesive bonding open time. Then use a smooth trowel or the smooth side of the serrated trowel to press the entire surface of the carrier fabric into the adhesive. Make sure you run the smooth side of the trowel over the matting at an angle, applying pressure in order to force out any air pockets work from the center of the matting outwards. Loose laying of the WP mats is not possible. Lay the joints with an overlap of around 5–8 cm. Make sure that the overlap bonding is waterproof.
3. Then the tiles can be laid directly onto the matting using the thin-bed procedure it's not necessary to wait for the adhesive to dry. The generally recognized rules of tile laying must always be observed, i.e. application of the thin-bed or flexible adhesive using a trowel with the corresponding notch size. For surfaces which are subject to chemical loading, use a suitable grout product (reactive resin).



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Technical Data

Durabase WP

PRODUCT DATA	
Product	Durabase WP Membrane
Material Thickness	Approx. 0.5 mm
Width of Material	39.37" (1 meter)
Length of Material	98.4' (30 m); 32.8' (10 m);
Color	Yellow
Application	Waterproof Membrane for walls and floors

ANSI SPECIFICATIONS FOR LOAD BEARING, BONDED, WATERPROOF MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.10)

TEST/DESIGNATION	EVALUATION	ANSI SPECIFICATION
Mold Growth (4.1)	Does not support mold growth	"Membrane shall not support mold growth"
Seam Strength (4.2)	52 lbs	16 lbs/2-inch width
Breaking Strength (4.3) Longitudinal	1674 PSI	170 psi minimum
Breaking Strength (4.3) Traverse	1139 PSI	170 psi minimum
Dimensional Stability (4.4)		
Longitudinal (158 F)	0.0%	
Longitudinal (-15 F)	0.0%	
Traverse (158 F)	0.0%	
Traverse (-15 F)	0.0%	
Waterproofness (4.5)	No moisture penetration	No moisture penetration after 48 hours
Shear Strength to Ceramic Tile and Cement Mortar* (5.0)		greater than 50 PSI
7-day shear strength (5.3)	82 PSI	greater than 50 PSI
7-day water immersion shear strength (5.4)	102 PSI	greater than 50 PSI
4-week shear strength (5.5)	114 PSI	greater than 50 PSI
12-week shear stregth (5.6)	107 PSI	greater than 50 PSI
100-day water immersion shear strength (5.7)	108 PSI	greater than 50 PSI

A small number of aggressive chemicals (e.g. solvents), in large concentrations, can to some extent attack Durabase WP during prolonged exposure. For special applications, the supplier should be contacted, with a view to assessing necessary action. The recognized standards and regulations of technology must be observed. Previous data sheets are invalid.

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