



MIGULINE

REINFORCED EXTERNAL BARRIERS OVER EXPANSION JOINTS

IMPERIAL SYSTEM PRODUCTS

MIGULINE is manufactured from composite materials and has good elastic qualities, is tear resistant and is impermeable to water.

Unlike other membranes manufacture from PVC, TPO, EPDM OR HYPALON, MIGULINE does not depend on thickness to qualify or perform for waterproofing quality.

MIGULINE is designed to be light with approximately 270 to 340 grams per m² and a thickness of between 0.45 to 0.66 mm. It is used to bridge expansion joints and keeping water out.

MIGULINE is also recommended for use as a reinforcement for all wet areas in conjunction with AQUAFIN-2KM-PLUS OR SANIFLEX.

Areas such as bathrooms, kitchens, in living accommodation, private and public sanitary facilities, balconies and terraces, swimming pools (pool shell and pool surround), underground car parks. German manufacturing standards will perform and keep structures dry for a guaranteed 30 years or more when applied by authorized applicators who will not compromise on materials and applications.

PERFORMANCE VALUES

Bursting pressure according to DIN EN 1931	: > 1.5 bar Sd value
UV resistance to DIN EN ISO 4892-2	: < 2 m
Temperature resistance, min/max.	: -22° C to +90°C
Breaking force, longitudinal to DIN 527-3	: > 116 N / 15 mm
Breaking force, transverse to DIN 527-3	: > 107 N / 15 mm
Elongation, Elongation transverse to DIN 527-3	: > 600%

Chemical resistance after 7 days storage at +22° C with the following chemicals:

- Hydrochloric acid
- 3%, sulphuric acid
- 35%, Citric acid 100 g/l,
- Lactic acid 5%,
- potassium hydroxide 20%,
- Sodium hydroxide 0.3 g/l,
- Salt water 20 g/l (sea salt)



MIGULINE is used in association with BONDER A2 where Expansion Joint treatment is made.

BONDER A2 functions as an edge restrainer and a waterproof bonder to secure Miguline in place.

In general, Miguline is secured to ready cured TOROCRETE bedding where a well-defined flat and smooth finish is attained.

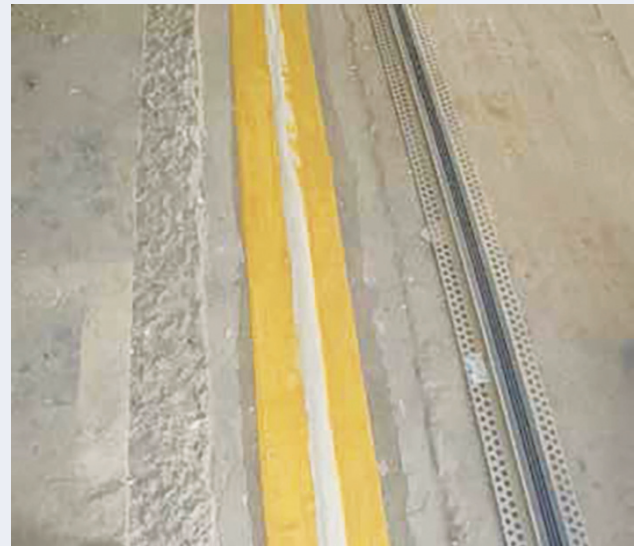
CHARACTERISTICS OF BONDER-A2 DURING SERVICE LIFE

- Density : 1.3 kg per litre.
- Tack Free : 4 hours
- Trafficable : 6 hours
- Tensile Strength : 2.15 N/mm²
- Crack Bridging : 0.75 mm @0.8 dft
- Adhesion Strength : 1.5 N/mm²
- Tensile Strength : 9N/mm² (ASTM D412.98a)
- Elongation : 260% (ASTM D412.98a)
- Crack Bridging : 2 mm (ASTM C836.95)
- Water permeability : Nil @5 bar (BS EN12390)

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APPLICATION

- a. Install 50 mm wide masking tape 75 mm from the edge of the open expansion joint on both sides.
- b. Install 30 mm diameter MIGUCORD™ above Metazeal which is seated along the centre line of the expansion joint.
- c. Apply BONDER-A2 PRIMER with a notched spatula over two sides of the exposed concrete within the widths between the masking tape and edges of expansion joint.
- d. Allow PRIMER to dry for 1 hour.
- e. Apply BONDER-A2 with a spatula onto the primed section of the nosing to a thickness of approximately 2 mm thick.
- f. Following the application of BONDER-A2, gradually unroll MIGULINE™ onto the wet BONDER-A2 adhesive, insuring at all times that the edge of the membrane is 10 mm away from the edge of the masking tape.
- g. Use a short-hair 100 mm paint roller to tamp the membrane down into the BONDER-A2 adhesive
- h. Apply another layer of 1.5 mm thick of BONDER-A2 over the MIGULINE™ to sandwich the MIGULINE™ along the nosing of the expansion joint.
- i. Remove the masking tape immediately after the final application.



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