



Uni-Flex Waterproofingsystem

DUAL-REINFORCED TORCH-ON BITUMEN MEMBRANE

Discussion

UNI-FLEX is a pre fabricated modified bitumen membrane whose compound is composed of distilled bitumen and elasto-plastermers (APP), reinforced with non-woven polyester fabric and fibre glass matt. This UNI-FLEX compound offers good ageing properties, flexibility, durability, and elasticity.

UNI-FLEX is available with a talc finish on the upper face to prevent the roll from sticking to itself and benefits the unrolling of the product during installation. The talc finish also enhances the adhesion of aluminium reflective coatings and acrylic paints after application.

The lower face of UNI-FLEX is backed by a special polyethylene burn-off film which melts during torching and prevents the roll from sticking to itself. The correct application temperature is visible from the embossed surface of the membrane which is below the burn off film, when the correct application temperature is reached, this embossment melts, also helping vapour diffusion and avoiding blistering.

The burn off film also has a printed 10cm square which allows the alignment of the side laps quickly and easily during application.

UNI-FLEX offers a high static and dynamic puncture resistant, good tensile strength, both longitudinal and transversal, ultimate elongation and exceptional dimensional stability.

technical data sheet



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PROPERTIES

Specific Gravity	1.3 – 1.4
Water Vapor Permeability	Impermeable
Chemical Resistance	Resistant to mild acids and alkali solutions. Not resistant to hydro- carbon solvents, diesel
Slump Resistance	Will not slump on a vertical surface at 95 c
Penetration(100g/5s/70c)	50-60
Cold Flexibility(20mm mandrel)	< 5c ⁰
Elongation @ 25c	>25%
Tensile Strength	>900 N/5cm
Tear Resistance	>300 N

technical data sheet

