

FORMAK 629

CONCEALED WATERPROOFING MEMBRANE

DATA SPECIFICATION SHEET

DESCRIPTION

Formak 629 is a polyisoprene single component, liquid applied, elastomeric waterproofing membrane based on highly elastic organic polymers. Formak 629 contains no bitumen or coal tar and will not cause staining to marble, ceramic tiles or tile grouts. It has a superior elongation, is non-flammable and non toxic. Formak 629 can be reinforced with fiberglass mat for extra strength in areas where high stress may be encountered such as around pipes and upturns. The membrane is seamless and therefore eliminates potential failure due to poor joints.

AREAS OF USAGE

Formak 629 should be used as an effective membrane to waterproof slabs, walkways and concealed roofing applications. As a liquid applied system, it is ideal for areas that require a lot of detailing works.

PRODUCT SPECIFICATION

COLOUR	: Grey
PACKING SIZE	: 20 litre/pail
SHELF LIFE	: 2 years in an unopened container
SOLID CONTENT (by volume)	: 59%
THINNING	: As Formak 629 is based on polyisoprene, it can not be thinned with water
DRYING TIME	: 1-2 hours for roofing applications
DRY FILM THICKNESS	: 0.8mm to 1.0mm
ELONGATION (ASTM D412)	: ≥500%
TENSILE STRENGTH (ASTM D412)	: ≥2 N/mm ²
CRACK BRIDGING (ASTM C1522)	: ≥7mm
TEAR STRENGTH (ASTM D624)	: ≥13 N/mm
MODULUS AT 350% ELONGATION (ASTM D412)	: 2.29MPa
RECOVERY AT 350% ELONGATION (ASTM D412)	: 95.4%
WATER VAPOUR TRANSMISSION (ASTM E96)	: 42.97 g/24hr.m ²
RESISTANCE TO WATER PRESSURE (DIN 1048)	: No penetration @ 5 bars
ADHESION TO SUBSTRATE (ASTM D4541)	: 1.21 N/mm ²
SHORE A HARDNESS (ASTM D2240)	: 55
EXTENSIBILITY AFTER HEAT AGING AT 23°C / 50% RH (ASTM C1522)	: No cracks, tears or holes at 7mm
WATER ABSORPTION AFTER 6 MONTHS (ASTM D471)	: Average Mass Change 3.93%



APPLICATION

SUBSTRATE PREPARATION

Ensure the substrate is clean, dry and free of dirt, loose particles etc. as much as possible.

PRIMING

Apply 1 coat of Formak 629 Primer at the coverage of 0.2 litre/m² and allow to dry for minimum 1 hour prior to application of Formak 629.

TREATMENT TO DETAILING

Apply Formak 629 at 1.0 litre/m² making certain to upturn at least 300mm from the finished floor. Immediately roll a layer fibreglass mat and apply another coat of Formak 629 at 0.5 litre/m².

** Internal corners Fiberglass mat is not required if there is a 25mm x25mm angle fillet.*

ROOF APPLICATION

Apply Formak 629 by roller or brush at 0.65 litre/m² and leave to dry for at least 3 hours before application of the 2nd coat at 0.65 litre/m².

PONDING TEST

Ponding test can be carried out 24 hours after application of finishing coat.

HEALTH & SAFETY

Formak 629 contains ammonia, when used indoors, provision should be made to ensure that adequate ventilation is provided. In cases where ventilation is not adequate, operators should wear safety masks suitable for use with ammonia.

Place Product
Sample Here

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Revision F

All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.