

Technical data sheet

SprayGrade

Water sealant coating

SprayGrade is used as a waterproofing membrane for roof protection. **SprayGrade** can be applied over a wide range of substrates including existing built up roof systems.

SprayGrade is used as a protective coating to prevent water and corrosion damage. **SprayGrade** can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. **SprayGrade** is also appropriate for use on concrete structures, slabs and parking decks.

SprayGrade is used as a waterproofing membrane for concrete foundation structures, basements, retaining walls, pond lining, parking planters, and other exterior surfaces.

SprayGrade is used wherever waterproofing or damp-proofing is required to protect a structure.



APPLICATION

SprayGrade is applied as a dual component system using a specially designed spray system. Both components of the system are water based and environmentally friendly. Applied at ambient temperature (above 15°C) SprayGrade sets almost instantly, forming a seamless flexible membrane.

SprayGrade is cold-applies and solvent free waterproofing systems. For best results SprayGrade should be applied to a dry surface which is free of dirt, debris, oil or grease. The product sets up rapidly, however it is not recommended to apply any waterproofing product if heavy rains are imminent.

SprayGrade is applied between 0.7 m /liter (30 ft /gal) to produce a 40 mil protective membrane to 0.175 m /liter (7.5 ft /gal) to produce a 160 mil membrane. Typically SprayGrade dries to the touch in one (1) minute and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity. Typically an applicator crew can spray 6,000 ft (560 m) per day. Protection board or insulation may be applied to the membrane surface after an initial set time of 20 minutes.

LIMITATIONS

SprayGrade is mildly alkaline. When applying, observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS. SprayGrade should not be applied when the outside temperature or surface temperature is lower than 5°C. The uncured membrane may be damaged if frozen. Do not apply to wet or frozen surfaces or directly before a rain.

CAUTION

For industrial use only. Keep out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using SprayGrade

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PHYSICAL PROPERTIES (liquid)

PROPERTY	TYPICAL RESULT
Color	Brown to black
Specific gravity (liquid), g/cm ³	Approx. 1.0
Odour	None
Volatile Organic Compound VOC	Contains no solvents
Solids %	53 – 58%
Viscosity Brookfield CPS	17.000-25.000
pH	10 – 12

USAGE

CURED MEMBRANE

mm	kg/m ²	seal
1.00	1.35	airtight
2.00	2.7	watertight

PERFORMANCE (Cured membrane)

PROPERTY	TYPICAL RESULT
Color	Black
Specific gravity g/cm ³	Approx. 1.0
Water absorption NEN-EN-ISO 15148:2002	0.00011kg/m ² .sec ^{0.5}
Water vapor transmission NEN-EN-ISO 7783:2011	0.59 g/m ² *24h
Crack bridging ASTM C1305	Passed
Adhesion to limestone EN1542	2,1 n/mm ²
Adhesion to PVC EN1542	1,4 n/mm ²
Adhesion to zinc EN1542	1,9 n/mm ²
Adhesion to aluminum EN1542	2,7 n/mm ²
Adhesion to concrete EN1542	3,7 n/mm ²
Adhesion to wood EN1542	2,9 n/mm ²
Tensile strength ASTM D638	Passed (>90% original value)
Elongation % ASTM D638	850%
Recovery %	>90%
Salt resistance ASTM B117-09	Passed >1200h
Air permeability ASTM E2178	0.0004 L/(s.m ²) at 75 Pa
UV resistance ASTM G-155	Passed exposure >250h

