

Technical Data \

TRITOFLEX 1K - S

Spray-grade, water-based rubber waterproofing and anti-corrosion membrane

Product Description

TritoFlex 1K S Rubber is a non-toxic, environmentally-friendly, one-component waterproofing membrane formulated with premium synthetic rubber polymers. It is used as a waterproofing membrane on roofs, foundations, concrete slabs, plaza decks, wet rooms, gutters, and much more. TritoFlex 1K S is typically installed in two coats with an airless commercial-grade sprayer.

Product Versatility and Uses

TritoFlex 1K S is not only for waterproofing applications, but also can be used as a waterproofing membrane over existing roofs and as an impermeable air/vapor barrier. With its ability to withstand water indefinitely and remain flexible after aging, TritoFlex 1K S is truly a unique waterproofing solution for the entire building envelope. In addition to waterproofing, TritoFlex 1K S is used as an impermeable, anti-corrosive coating to protect steel and concrete from deterioration. It is especially resistant to acids and caustic substances.

Application

All surfaces must be washed clean, free of loose materials, grease, oils, release agents, loose rust, and other contaminants. Primers may be required for certain substrates, such as EPDM or stainless steel. Concrete sealers may be required if hydrostatic vapor drive problems exist in the substrate.

Typical full cure time of the material is 6-12 hours with sunny and warm, 70°F (21°C), weather conditions at 40 wet mils. Do not allow the freshly applied material to freeze prior to full cure time. Cure time is dependent on thickness, humidity, and temperature conditions.

TritoFlex 1K S is typically applied using an airless sprayer but may also be rolled or brushed. TritoFlex 1K S can be installed with polyester fabric reinforcement supplied by Triton Inc.

Storage

Store liquid material in areas above 50°F (10°C) at all times. Protect from freezing in shipping and storage. Frozen product is unusable.

PHYSICAL PROPERTIES (LIQUID FORM)

Color	Black
VOC's	None
Shelf Life	12 Months
Solid Content	62%
Packaging	5 gal./19 L pails; 50 gal./190 L drums; 264 gal./1000 L totes

PHYSICAL PROPERTIES (CURED FORM)	TEST METHOD	TYPICAL VALUE
Color	-	Black
Membrane thickness	-	60 mils (1.5 mm) dry is typical application
Resistance to Ponding	-	Withstands indefinitely
Elongation & Recovery (Aged)	ASTM D412	1100% with 98% recovery
Tensile Strength (Aged)	ASTM D412	>600 psi
Fire Resistance	ASTM E108	Class A
UV exposure 1,000 hrs.	ASTM G155	Excellent, no changes
Water vapor transmission	ASTM E96	0.1 Perms
Low temperature flexibility	ASTM D5147	Passes at -20C
Adhesion to Concrete	ASTM D4541	1,000 psi