Liquid Rubber®

Technical data sheet

JointFiller

WATERPROOFING ADHESIVE & AIR BARRIER SEALANT & COATING

JointFiller is a modified elastomeric asphalt emulsion specifically formulated to be applied by caulking gun. **JointFiller** is a cold applied single component product designed for a wide range of protective joint filling applications. The product technology employed in **JointFiller** provides a solvent-free, coating that yields a membrane with excellent strength, elasticity and adhesion.

JointFiller is an environmentally friendly waterproofing and air barrier product that can be applied indoors and outdoors with no special protective equipment. **JointFiller** is used as a protective coating to prevent water and corrosion damage and as air barrier. **JointFiller** can be used for rust protection of ferrous materials and is also of value for noise and vibration dampening. It may also be applied to concrete structures, slabs and parking decks. The high viscosity of **JointFiller** allows it to be used to cover small cracks, or to coat vertical seams or joints.

APPLICATION

JointFiller is a water based environmentally safe product, which is cold-applied and nonsolvent. When cured it will form a seamless flexible membrane. **JointFiller** is a single component product that must be applied using silicon pistol.

JointFiller should be applied to a dry surface which is free of dirt, debris, oil or grease. Application is not recommended if heavy rains are imminent, or in high humidity environments. For best results apply in thin coats. See application manual or consult with your Liquid Rubber Europe representative for further details.

JointFiller is applied in a thickness depending on the size of the joint or seam. Typically **JointFiller** dries to the touch in one minute and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity. Important: During curing process there is formed a greasy layer on the **JointFiller**. Degrease the membrane before the next layer will be applied.

LIMITATIONS

JointFiller is mildly alkaline. When applying this product observe appropriate safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

CAUTION

JointFiller should not be applied when the outside temperature or surface temperature is lower than 5℃. The uncured membrane may be damaged if frozen. Do not apply to wet surfaces or directly before a rain. Some surface base coat materials such as coal tar are unsuitable for use with **JointFiller**. For industrial use only. Keep out of the reach of children. Do not apply if rain is imminent within 24 hrs. Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).

TECHNICAL SERVICE

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PHYSICAL PROPERTIES (liquid)

PROPERTY	TYPICAL RESULT
Color	Brown to black
Specific gravity (liquid), g/cm3	Approx. 1.0
Odour	None
Volatile Organic Compound VOC	Contains no solvents
Solids %	53 – 58%
Viscosity Rheometer Pa.s	30.000-40.000
pH	10 – 12

USAGE

CURED MEMBRANE

mm	kg/m2	seal
1.00	1.35	airtight
2.00	2.7	watertight

PERFORMANCE (Cured membrane)

PROPERTY	TYPICAL RESULT
Color	Black
Specific gravity g/cm3	Approx. 1.0
Water absorption NEN-EN-ISO 15148:2002	$0.00011 kg/m^2.sec^{0.5}$
Water vapor transmission NEN-EN-ISO 7783:2011	$0.59 g/m^2*24h$
Crack bridging ASTM C1305	Passed
Adhesion to concrete ASTM C836-10 (peel)	3.590 N/m
Adhesion to concrete ASTM C836-10 (peel) heat aged	5.600 N/m
Tensile strength ASTM D638	Passed (>90% original value)
Elongation % ASTM D638	700%
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

DECLARATION OF PERFORMANCE
Construction Products Regulation (CPR) EU 305/2011

C E **according to EN 15148**