

**DESCRIPTION**

WATERTITE WS FG is 100% solids cold liquid applied two component polybutadiene modified polyurethane diamine cured compound formulated to form upon curing a durable flexible waterproof surface.

FEATURES AND USES

Specifically designed for use in food processing and related industry **WATERTITE WS FG** does not contain any solvent or harmful volatiles. It contains 100% solids and properly applied cures rapidly into a seamless surface with good adhesion, excellent chemical and abrasion resistance and easy to maintain appearance.

In comparison with traditionally used epoxy, this material shows good flexibility and it is easy to apply because of its low exothermic reaction.

WATERTITE WS FG is available in different colours and could be suitably aggregated with different size and type of particle filler for particular end use.

LIMITATIONS

WATERTITE WS FG is not to be applied to surfaces which have loose material, dust, dirt, grease, oil or water.

NOTE

Consult **PENNKOTE LIMITED** for specific data on applications not detailed in this literature.

PROPERTIES

Tensile strength	145 kgf/cm ²
Elongation at break	85%
Shore hardness A	99°
Shore hardness D	61°
Tear resistance after graves	59 kgf/cm
Abrasion loss (taber abramer, cs 10, 1,000 rpm)	18 mg
Adhesion to iron (separation test)	169 kgf/cm ²
Environmental resistance	Resistance to ozone, ultra-violet, extreme temperatures, industrial atmospheres.
Chemical resistance	Resistance to acids, alkali, salts, fuel oil, fungi and bacteria. NOTE: For extensive chemical resistance data, contact the manufacturer.



Application	<p>WATERTITE WS FG is packaged in 19 litre (4 gallon) volume proportioned in 22.7 litre (5 gallon) container with activator in 4.54 litre (1 gallon) can.</p> <p>The two components should be thoroughly mixed with a double blade agitator attached to a low speed drill for a period of not less than 7 minutes.</p> <p>IMPORTANT: Improper mixing will not allow the material to cure properly.</p> <p>WATERTITE WS FG may be applied with a trowel or a squeegee. When applied at the rate of 1 sq.m./1 (50 sq.ft./gal.) an approximate 1mm. (40 mils.) dry thickness is achieved.</p>
Colour	Grey. (other colours available on special orders)
Coverage	1 sq.m./l. (50 sq.ft./gal.) for 1mm. (40 mils.) approximate dry thickness.
Cure time	Light pedestrian traffic in approximately 6 hours, fully cured in 2 days.
Pot life	30 minutes at temperatures 16°C (60°F) to 27°C (80°F).
Shelf life	Unmixed - three years.
Application temperature	Between 0°C (32°F) and any working temperature.
Toxicity	Cured membrane material is non-toxic.
Caution	This compound does not contain any volatile or flammable solvents. However, during application safe handling practices must be observed. Harmful if swallowed. Avoid prolonged contact with body surface. Keep out of the reach of children.

WARRANTY

PennKote Ltd. warrants its products against manufacturing and material defects. PennKote will, for a period of two years from the date of application, supply replacement material for product proven to be defective. This warranty is in lieu of any and all other warranties expressed or implied. Pennkote Ltd. and any Distributor or Retailer of this product accept no liability for incidental or consequential damage due to defective material or improper installation. The user shall determine the suitability of this product for intended use.