

**DESCRIPTION**

Watertite JS is a two part liquid applied elastomeric compound based on DIFUNCTIONAL POLYBUTADIENE liquid rubber. When the two parts "A" and "B" are blended together, applied and cured, they form a highly flexible and resilient sealant.

FEATURES

Watertite JS is a specially designed formulation for use with concrete and steel expansion joints, up to maximum of 3 ½ (8.9 cm) in width. The adhesion to concrete and steel is chemical, ensuring a permanent bond. Rain, snow or water will not effect the sealant. Pot life and curing time may be adjusted to suit any particular job situation without changing or affecting the physical properties and performance of the cured sealant.

Watertite JS offers many advantages. The sealant keeps water and moisture out indefinitely. Being a liquid when applied, it finds its own level and thereby fills small cracks and imperfections, giving a perfect seamless seal and bond to all surfaces. Because of its excellent adhesive properties, moisture will not be able to penetrate the seal.

USES

Watertite JS is used for treatment of joints and cracks in new or existing structures. (For volume of material required refer to Chart).

DESIGN LIMITATIONS

Watertite JS is not to be applied to surfaces that are either wet, oily, frosted, dirty or contaminated in any way. Watertite Surface Conditioner should be used on all surfaces.

The depth of the sealant in the joint should never be greater than the width of the joint. Preferably, the depth should equal ½ of the width.

NOTE: Consult **PennKote Limited** for specific data on applications not detailed in this literature.

APPLICATION

Watertite JS is packaged in a 22.7 litres (5 imperial gallon) pail with an activator. The two pre-measured portions should be thoroughly mixed by means of a double bladed agitator attached to a low speed electric drill. Mix the material for a period of not less than eight minutes.

IMPORTANT

Improper mixing will not allow material to cure properly.

Watertite JS may be applied either by pouring or caulking gun at temperatures as low as -18°C (0°F). The quality of the sealant is not changed by freezing temperatures. In order to obtain the best mixing and application results, Watertite JS should be used or mixed at approximately 16°C (60°F), whenever possible.

A power brush and compressed air should be used for cleaning joints or cracks. Use a gas torch to dry out any wet surfaces.

For expansion joint backup install a closed cell PE foam, or other suitable supporting material.

CAUTION

Flammable. Do not heat container with open flame.



APPLICATION DATA	
Colour	black
Coverage	See Chart 1
Cure Time	Approximately 6 hours at 16°C (60°F) to 27°C (80°F)
Pot Life	Approximately 40 minutes at 16°C (60°F) to 27°C (80°F)
Flow Characteristics	Self-levelling or gun grade
Shelf Life	Part "A" and "B" - unmixed indefinite
Toxicity	Cured sealant is non toxic
PHYSICAL PROPERTIES	
Elongation (ASTM D-412)	450%. Cured for 72 hours at 57°C (135°F)
Hardness (ASTM D-2240, Shore 00)	95
Resiliency	Not altered at temperatures as high as 82°C (180°F) at 40°C (120°F) 94% - Recovery within 7.6m (25') at 65.5°C (145°F) 97% - Recovery within 7.6m (25')
Bond Extensibility* (ASTM D-1191-65)	5 cycles of extension at -17.8 C; 25%pass (minimum requirement); 35%pass; 50%pass
Brittle Point (ASTM D-746)	-61°C (-78°F)
Environmental Resistance	Excellent resistance to moisture, ozone, ultra-violet, extreme temperatures and industrial atmospheres.
Chemical Resistance	Excellent resistance to salts, diluted acids and alkali solutions, bacteria and fungi.

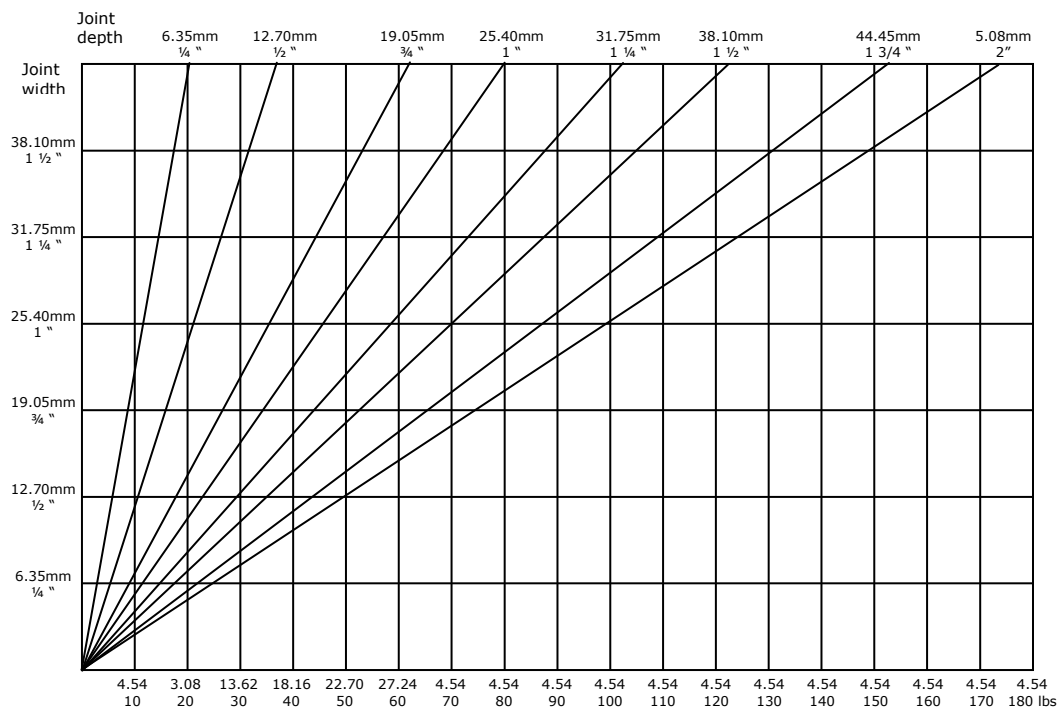
* ORTECH Report No. 91-38-3962

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.



CHART 1 - POUNDS OF WATERTITE JS FOR 30.5m (100ft.) LONG JOINT



WATERTITE JS JOINT SEALANT
Application Details: not to scale

