

JAYCO M974J HI DUTY POLYSULPHIDE COAL TAR SEALANT

DESCRIPTION

Jayco M974J Hi Duty Polysulphide Coal Tar Sealant is a cold applied two part elastomeric sealant, designed for cost effectiveness and chemical resistance for in joints of concrete paved areas, under all climatic conditions.

The highly elastomeric nature of cured M974J provides the extra capacity to accommodate erratic large movements common in paving joint applications with far less risk of failure than most other systems.

Jayco M974J is highly resistant to fuel, oil and hydraulic fluid spillage, will not harden in cold weather nor become excessively soft or pick up in hot conditions. The sealant will outperform conventional polysulphide or polyurethane sealants in most paving applications.

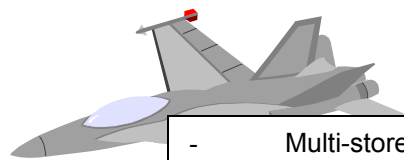
FEATURES

- Performance unaffected by climatic temperature extremes
- High movement accommodations: factor butt-joints 25%
- Excellent ozone, oil and chemical resistance
- Bonds to concrete and pitch based substrates i.e. joints previously sealed with pitch-based hot paved sealants
- Cold applied – self levelling
- Tack-free within 12 hours at 25°C, Shore A 12 – 18 after 7 days cure
- Fungus and mould resistant
- Complies with requirements of BS 5212 -1975

PRINCIPAL APPLICATIONS

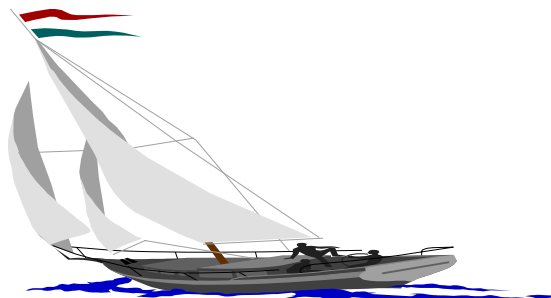
For sealing joints in concrete pavements on:

- Airport hardstandings subject to fuel spillage
- Runways
- Concrete highways
- General paving applications in harbours, parking decks, etc



- Multi-storey car park decks
- Motorways and truck roads

- Concrete wharf areas



- Concrete areas at oil terminals

CHEMICAL RESISTANCE (to occasional spillage)

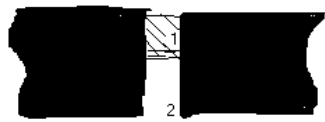
White Spirits	Resistant
Petrol	Resistant
Paraffin	Resistant
Aviation fuels	Resistant
Hydraulic fluids	Resistant
Dilute acids	Resistant
Dilute alkalis	Resistant
Synthetic oils	Resistant
Diesel fuels	Resistant
Mineral oils	Resistant

APPLICATION

Where no design details are supplied, please comply with:

- British Standard 5212 – 1975
 - US Federation Specification SS-S – 200 DH 1969
 - UK Department of Transport, Specification for Roads and Bridge Works 1976, Clause 2619
- Joint sealing slot surfaces must be dry, sound, clean and free from frost. Removal all dust and latance by grit blasting, grinding or rigorous wire brushing. Sealing slot must be blown out with dry, oil free compressed air.
 - Expansion joint filler (Voegflex) must be tightly packed in the joint and removed to the required depth. Ensure that the depth is never greater than the width of the joint. Ideally the width depth ratio should be between 1:1 and 1½:1 subject to a minimum depth of 10mm.

- Prime joint sealing slot surfaces with Jayco G315 two part epoxy primer and allow approximately 30 minutes for the primer to dry. Apply the sealant within 2 hours of priming otherwise re-prime. In conditions of cold, damp or expected high early movement, Jayco G317 primer is preferred.
- Thoroughly mix the two sealant components together for at least 3 – 4 minutes, using a slow speed drill and stirrer. Scrape the sides of the can with a putty knife to ensure even blending.
- Apply mixed compound into sealing slot so that the finished level of the sealant is recessed slightly below the trafficked surface to allow for compression of the sealant when expansion of the concrete occurs.



1. Hi Duty Polysulphide
2. Voegflex – no bond-breaker required

- Finish off the sealing slot by running a spatula along the joint to eliminate pinholes.

SPECIFICATIONS

BASE	: Coal tar modified polysulphide resin
NUMBER OF COMPONENTS	: 2
COLOUR	: Black
NON-VOLATILE MATTER	: 98% minimum
MASS PER LITRE	: 1,40kg per litre
MIXING RATIO	: A + B 100 + 10 w/w
PHYSICAL / CHEMICAL CHANGE	: Chemical cure
FLASH POINT	: Over 65°C
ELONGATION	: Up to 100% - full recovery
CLEAN UP SOLVENT	: Jayco C403 or C404 solvent
HARDNESS	: Shore A 25°C 12 – 17
STORAGE LIFE	: 6 months in unopened containers stores below 30°C
	: G315 Primer and Solvent – 12 months

GENERAL

STORAGE TEMPERATURE LIMITS	: 5° to 40°C
APPLICATION TEMPERATURE LIMITS	: 5° to 35°C
SHIPPING CLASSIFICATION	: Non-flammable, toxic ingredients
PACKING	: 5lt standard, larger kits available on consultation

LIMITATIONS AND PRECAUTIONS

- Always mix well before use. Do not use on joints with shear movement in excess of 30% (maximum permissible joint movement 35%).
- *Jayco M974J* - Avoid skin contact. Apply a suitable barrier cream or wear gloves. Hands should be washed before eating. Destroy empty containers.
- *Jayco G315 Primer* – FLAMMABLE – Flash point 7°C. Store in suitable surroundings away from heat. In the event of contact with the eyes, irrigate liberally with clean cold water and seek medical advice. Removed dried material from the skin with hand cleaner.
- *Jayco C403 and C414 Solvent* – FLAMMABLE – Use in well ventilated surroundings. Avoid skin contact and inhalation of the vapour.

QUANTITIES GUIDE

<u>Joint size (mm)</u>	<u>Metres per 5lt pack (no allowance for wastage)</u>
12 X 12	34,7
15 X 10	33,32
15 X 15	22,2
20 X 12	20,8
20 X 15	16,7
20 X 20	12,5
25 X 15	13,3
25 X 20	10,0
25 X 25	8,0
30 X 20	6,7

The information contained in this technical data sheet is to the best of our knowledge correct. **NO GUARANTEE IS EXPRESSED OR IMPLIED.** Users must satisfy themselves as to the efficacy of the product in their application.