

TREMCO THC 900

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Uniclass L6754:P7112	
June 2004	

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PRODUCT
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HIGH PERFORMANCE TRAFFICABLE JOINT SEALANT

KEY BENEFITS SUMMARY

- Unique ColorPak System: ColorPaks supplied to any BS4800/RAL colour for on site mixing providing visual control of mixing.
- Translucent Polymer Resin: standard base ensures uniformity of performance throughout the colour range.
- Wide Movement Accommodation: $\pm 25\%$.
- High Abrasion Resistance: designed for trafficability and flexibility.
- Exceptional weathering properties.
- Standards: US Fed Spec.TT-S-00227E. Meets ASTM C92 0-87. TypeM, GradeP, Class25, Use T, M, O.

PRODUCT INFORMATION

DESCRIPTION

THC 900 is a high performance joint sealant which on thorough mixing provides a trafficable, durable seal in dynamically moving joints.

USAGE/PURPOSE

- Trafficable expansion, control and construction joints. Should be limited to joints with a 5% slope or less in warehouse floors, intermediate car park decks and other areas subject to foot and vehicular traffic. For non-trafficable joints use Dymonic NT.

LIMITATIONS

- Not designed for prolonged submersion or constant spillage of harsh chemicals.

COLOURS

Precast white, off white, aluminium stone, limestone, redwood tan, black and buff.

Can be matched to any colour subject to minimum order requirement.

PACKAGING

Available in 6 litre units

AVAILABILITY

Direct from TREMCO (see back of leaflet for address and telephone details) or via local and national distributors.

ANCILLARY EQUIPMENT

Bulk caulking guns, follower plates and mixing paddles are available direct from TREMCO.

TECHNICAL INFORMATION

COMPOSITION

Chemically curing polyurethane joint sealant.

PERFORMANCE (Typical Values)

CYCLICAL MOVEMENT (ISO 9047)

No failure at $\pm 25\%$ on primed mortar

ELASTIC RECOVERY (ISO 7389)

Greater than 90%

STRESS WHEN EXTENDED TO 250% (ISO 8339)

0.35-0.50 N/mm²

SHORE 'A' HARDNESS (ASTM D2240)

25-35

TRAFFICKING (at +21°C)

Foot/Vehicular: 24 hrs/72 hrs (longer at lower temps)

USAGE GUIDELINES

JOINT DESIGN CONSIDERATIONS

- Joint design should be in accordance with BS 6093.
- For the purposes of joint width calculations in BS 6093, the MAF is 25%.
- For optimum performance, the width to depth ratio should be 2:1 subject to a minimum sealant dimension size of 10mm x 10mm.
- A maximum depth of 15mm should be maintained for joint widths of 30mm or more.
- Sealant depth should never be greater than width.
- Wide gaps of 40mm or more will require support or protection. Contact TREMCO for advice.

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SURFACE PREPARATION

- Loose friable material should be removed and arrises made good.
- Joint faces should be clean, dry, clear of dust and free from substances likely to impair adhesion (eg. waterproofing, form release and curing agents).
- Joint faces should be ground or sand blasted to expose a clean, sound substrate prior to priming, even if saw cutting has been performed.

SEALANT BACKING

Install smooth faced, closed cell polyethylene or neoprene foam under 30% - 35% compression. Sealant backing is installed to:

- Prevent sealant adhesion to the joint pocket rear.
- Control the depth of the sealant.
- Prevent escape through the joint.

Where the joint depth is insufficient to allow the use of foam, polyethylene or silicone faced self adhesive bond breaker tape should be used.

Ensure a good seal between substrate and bond breaker tape to prevent 'escape' of sealant through the joint.

PRIMING

- For applications to concrete, use TREMCO Primer No. 9. Use masking tape where appropriate. Keep temperature above +10°C for at least 24 hours.
- For other substrates consult TREMCO.
- Field adhesion testing is recommended before commencement of main installation.

MIXING

- Add the curative and a ColorPak tint to the THC 900 base and mix into the top few centimetres of the base.
- The base container should be held stationary while the contents are thoroughly mixed using slow vertical and circular motions with a TREMCO approved mixing paddle powered by a slow speed drill (250 - 400 rpm).
- After 6 minutes mixing, the paddle and can sides should be scraped clean returning the material to the centre of the can. Continue mixing for a further 2 minutes.

The use of higher drill speeds and some shaped paddles can whip unwanted, excessive amounts of air into sealants.

METHOD OF APPLICATION

- Application should be in accordance with BS 8000:16 - "Code of practice for sealing joints in buildings using sealants".
- Apply from a suitable spouted container.
- Apply at temperatures above +5°C. Finish 2 or 3mm below floor level.

COVERAGE RATE TABLE

(Approximate Linear Metres per Litre)

WIDTH	10mm	15mm	30mm	50mm
DEPTH				
10mm (min)	10.0	6.7	-	-
15mm	-	-	2.2	1.3

CLEANING

Clean equipment with TREMCO Brush Cleaner.

HEALTH & SAFETY PRECAUTIONS

- Product Health and Safety Data Sheet must be read and understood before use.

STORAGE

- Store in dry conditions, in original unopened contained, between +5°C and +25°C.

SHELF LIFE

- 12 months when stored as recommended.

TECHNICAL SERVICE

TREMCO has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01753 691696.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. TREMCO Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



BASA Member

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