

TREMCO

Dymonic NT

**ONE PART, LOW MODULUS
POLYURETHANE ELASTOMERIC SEALANT**

Key Benefits Summary

- One component, ready for use.
- Excellent unprimed adhesion to most building substrates.
- Good resistance to u.v. weathering and ageing.
- Non-staining on most substrates.

PRODUCT INFORMATION

DESCRIPTION

Dymonic NT is a low modulus, one part, moisture curing polyurethane sealant.

USAGE/PURPOSE

Dymonic NT is a versatile joint sealing compound for building construction. It is used in :

- Civil and industrial expansion and connecting joints in architectural and heavy construction, between concrete, brickwork, natural and artificial stone, steel, aluminium, wood, ceramic tiles, rigid plastics etc.,

- Precast concrete construction

LIMITATIONS

Dymonic NT is not recommended for:

- Prolonged immersion in water.
- Application over damp or contaminated surfaces
- Exposure to harsh chemicals
- Special architectural finishes without prior testing
- Certain grades of marble and stone work without prior testing and additional surface preparation

COLOURS

White, Black, Buff, Aluminium Stone, Dark grey

PACKAGING

Dymonic NT is packaged in 600ml sausages (20 per carton)

TECHNICAL INFORMATION

COMPOSITION

Dymonic NT is a one part moisture curing polyurethane sealant.

CHARACTERISTICS (Typical values)

SPECIFIC GRAVITY 1.18

PERFORMANCE (Typical Properties)

- CONSISTENCY (ISO 7390)
Non-sag
- SKIN FORMING TIME (at 23°C, 50% RH)
4 hour
- CURE RATE (at +23°C, 50% RH)
2mm/24 hour
- ULTIMATE ELONGATION
>600%
- MODULUS AT 100% ELONGATION
0.2 MPa
- HARDNESS SHORE 'A'
15
- ELASTIC RECOVERY
89%
- SERVICE TEMPERATURE RANGE
-40°C TO +80°C
- MOVEMENT CAPABILITY
+/- 25%

NOTE: Typical Properties should not be used as specifications.

USAGE GUIDELINES

JOINT DESIGN CONSIDERATIONS

- o Minimum joint size is 6mm x 6mm
- o For joints 6mm to 12mm wide, the width to depth ratio should be equal (ie: Square)
- o Joints 12mm - 25mm the depth should be equal to half the width (ie: 2:1 ratio)

SURFACE PREPARATION

- Joint faces should ideally be clean, dry, sound and free from grease and any other contaminants likely to impair adhesion
- Loose friable material must be removed and arrisses made good

Dymonic NT

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USAGE GUIDELINES

SEALANT BACKING

- Install smooth faced, closed cell polyethylene foam rod under 20% - 30% compression
- Sealing backing is installed to :
 - prevent sealant adhesion to the rear of the joint pocket "Three sided adhesion"
 - control the depth of the sealant
 - provide a firm base for tooling
- Where joint depth is insufficient to allow the use of a polyethylene foam rod, a silicone faced self adhesive bond breaker tape should be used

PRIMING

- Dymonic NT provides excellent unprimed adhesion to most common building substrates, however, based on the results of in-house testing, a primer maybe recommended for certain installations/applications

METHOD OF APPLICATION

- Apply between +5°C and +50°C
- All beads should be tooled after application to ensure firm, full contact with the joint faces

COVERAGE RATE

(Approximate Linear Metres per 600ml sausage)

WIDTH	6mm	10mm	20mm	25mm
DEPTH (min)				
6mm	16.7	10.0	-	-
10mm	-	-	3.0	-
12mm	-	-	-	2.0

CLEANING

Immediately remove excess sealant and smears adjacent to the joint (use masking tape where appropriate). Equipment may be cleaned with xylol or toluol while sealant is in an uncured state.

STORAGE

- Store in dry conditions between +5°C and +25°C. The storage temperature should not exceed +25°C for extended periods of time.
- Keep away from heat sources

HEALTH AND SAFETY PRECAUTIONS

Material Safety Data Sheet must be read and understood before use.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specifications of products. For more detailed information or service and advice call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.