

# TECHNICAL DATA SHEET

## POLYFLEX HM

### One component moisture curing high-modulus polyurethane

#### DESCRIPTION:

A one component, moisture curing, paintable, high modulus polyurethane sealant and adhesive. It has excellent adhesion to most building substrates and is fast curing with permanent and durable elasticity.

#### BENEFITS:

- **Compatible with both Cromar Elasta-Thane and Cromar Pro GRP coating systems.**
- High mechanical performances
- Permanent elastic
- Paintable

#### USES:

- For interior and exterior waterproof joints in building and metal constructions. For gluing, sealing, mounting and anchoring in building applications. For use in metal and mechanical construction, shipbuilding and container sealing joints, refrigeration plants, automotive, caravan, mobile home, aircraft and the railway industry.
- May be used as an adhesive for attaching **Cromar Pro GRP** trims, and as a joint sealer & gap-filler prior to applying **Cromar Elasta-Thane** system.

#### LIMITATIONS:

- Not suitable for PE, PP, PTFE, neoprene and bituminous surfaces
- Not suitable for continuous water immersion
- Avoid exposure to high levels of chlorine
- Avoid contact with alcohol and other solvent cleaners during cure
- Do not use in the presence of curing silicone sealants
- Sealant may bubble if applied in a high moisture vapour environment.

#### DIRECTIONS FOR USE:

Cut the cartridge seal and screw on the nozzle, which should be cut to your required size. Using a skeleton gun, apply the sealant firmly into the gap or joint ensuring a good solid fill. If required place masking tape along edges, removing within 10 minutes of application.

#### SURFACE PREPARATIONS AND FINISHING

Surfaces must be clean, dry and free from dust, grease and other loose material. Priming is not usually necessary. Adhesion tests prior to application are recommended. Always tool using a spatula or stick wetted with soapy water within 10 minutes of application.

#### PAINTABILITY:

This product can be painted.

**PACKAGING:**

310ML CARTRIDGE (PACKED 1 X 12). 1 PALLET = 1,248 CARTRIDGES

**COLOUR(S)**

Grey

**SHELF LIFE:**

12 months From production date. Store in unopened, original packaging between +5°C and +25°C in cool, dry conditions.

**ADDITIONAL INFORMATION:**

100% Modulus	MPa	0.60MPa
Application Rate	4mm/3 bar	150g/min
Application Temperature	°C	From +5°C to+40°C
Base		Polyurethane based compound
Curing Time	23°C & 50% RH	3mm/day
Density	g/m	1.19 g/m
Elongation at Break	%	450%
Flow	ISO 7390	<3mm
Frost Resistance during transportation	°C	Up to -15°C
Joint Movement	%	25%
Shearing Strength	MPa	1.40MPa
Shore-A hardness	ISO 868	45° Shore A
Shrinkage	ISO 10563	< 10%
Skin Formation	23°C / 55% RH	70 mins
Temperature Resistance	°C	From -30°C --+70°C
Tensile Strength	MPa	1MPa

**Health & Safety**

Safety data sheet (MSDS) must be read and understood before use of product. These are available on request.

**Further Information:**

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

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