

## Spray Applied Polyurethane System

### DESCRIPTION

TamSeal EP10 is a two component, 100% solids fast-curing Polyurethane system designed especially for its waterproofing and corrosion resistance characteristics.

The exceptional physical properties of this polyurethane system provide outstanding water resistance. The high tensile strength and elongation provides protection from mechanical damage and resistance to puncture and tear. It may be sprayed to a thickness of greater than 1mm per coat and cures to become water insensitive within minutes.

### KEY BENEFITS

- › Waterproof
- › Fast cure
- › Tough and durable
- › High flexibility
- › 100% solids

### TYPICAL APPLICATIONS

- › Concrete waterproofing
- › Bund lining
- › Waste water linings
- › Man hole & sewer lining
- › Tank lining / coating
- › Pipeline lining / coating

### TECHNICAL DATA

TamSeal EP10		
	Comp A	Comp B
Density	1.09	1.04
Viscosity @25°C	600 - 1200 mPa·s	400 - 800 mPa·s
Solids (mixed) by volume (%)	100	
Flash point (closed cup)	>210°C	>116°C
Tensile strength ASTM D412-92	> 7 MPa	
Elongation @24°C ASTM D412-92	> 450%	
Bond strength	> 2 N/mm <sup>2</sup>	
Hardness shore A	> 70	

All technical data stated herein is based on tests carried out under laboratory conditions.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

### APPLICATION GUIDELINES

**Thickness:** The recommended minimum thickness for waterproofing, corrosion and chemical resistance is 2 mm to 3 mm.

This product can be applied from 1 mm to 20 mm thick in one operation. To build up thickness, allow just enough cure time for the first coat to become firm, prior to applying the subsequent coats.

This coating is designed for application using heated plural component, high pressure, airless spray equipment, capable of supplying material at the spray gun at a minimum of 180 bar spray pressure with material temperature of 55 - 70°C

Mix Ratio: 1:1 by volume

#### Preparation

Priming may be required prior to application of TamSeal EP10 depending on the substrate. We recommend the use of TamRez primer for priming, please contact your local Normet representative for more details.

The materials should be maintained prior to any application at an optimum temperature of 24 - 27°C. This may mean heating the material in the drum if the surrounding ambient temperature is much lower than 24°C. This will allow the pre-heaters to reach and maintain the proper application temperatures of the materials.

Note: No solvent should be allowed to come in contact with or be added to the 100% solids coatings. Viscosity can be reduced by an increase of temperature.

#### Spraying

Spray continuously using a 50% overlap to ensure an evenly coated surface and minimise triggering the gun.

#### Application Temperatures:

Minimum substrate temperature is 2°C. Maximum substrate temperature is 50°C.

This material will become tack-free within 1 to 2 minutes of spraying. Development of a full cure may take up to 24 hours. Material may be recoated when tack-free. Older coatings should be lightly abraded to remove any oxidised material and cleaned thoroughly prior to recoat.

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### Cleaning

We recommend the use of TamPur cleaners. For more information, please contact your local Normet representative.

### Limitations

- > This product will discolour and will undergo surface chalking when exposed to sunlight.
- > Do not use where the substrate surface temperature is below 2°C or above 50°C.
- > Do not allow solvents to come in contact with or be added to the 100% solids coatings.
- > Technical enquiries regarding application, surface preparation or suitability should be forwarded to your local Normet representative.

### STORAGE

TamSeal EP10 should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 12 months can be expected.

### HEALTH & SAFETY

TamSeal EP10 should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.