

## Product Description

FatraSeal PUR is a high performance Rapid Curing single component polyurethane sealant. When cured it will form a tough, flexible seal and bond capable of cyclic, expansion and compression movement. Joints or fabrications formed with this sealant can be expected to extend and compress a total of 50% ( $\pm 25\%$ ) of original joint dimensions.

FatraSeal is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra-violet, atmospheric contamination and pollution. Its excellent weather ability enables it to retain its original properties after years of exposure. Its physical properties remain relatively unchanged over a wide temperature range ( $-40^{\circ}\text{C}$  to  $70^{\circ}$ )

## Features

- Fast tack free time & cure rate
- High bond strength
- A medium modulus product, which forms a resilient & permanently elastic seal
- Excellent adhesion to most materials including metals, concrete, brick, wood, plasterboard, GRC & CFC
- Paintable (refer paintability section)
- Non-slumping

## Properties

Appearance	Non-sag smooth thixotropic paste
Cure method	Moisture curing
Rate cure in mm/24hr	3.5
Take Free Time (minutes)	45 min
Temp resistance	$-40^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Colour	Grey
Paintable (Approx)	48 hours
Hardness Shore A	30-35

Flammability	Non flammable
Chemical resistance	Resistant to dilute acids, alkalis & some solvents. Intermittent contact with diesel & petroleum.
Elongation to break	$>400\%$
Full cure	7 days
Application Temperature	$5^{\circ}\text{C}$ to $35^{\circ}\text{C}$
Movement Capabilities	$\pm 25\%$
Tensile Strength	$2.5\text{-}3.0\text{ N/mm}^2$
Acoustic Properties	Excellent

### Surface Preparation

Clean and dry all surfaces by removing foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants and any protective coating. Porous substrates should be cleaned by grinding saw cutting or blast cleaning (sand or water). Dust and loose particles etc should be blown out of joints with oil free compressed air or vacuum cleaned.

Non porous and plastic surfaces should be cleaned by solvent or mechanical means. Cleaning solvents should not be allowed to air dry or evaporate without being wiped with a clean, dry cloth.

### Priming

For maximum performance on porous surfaces and, in all periodically immersed and submerged applications, use FatraPrime. Porous substrates not subject to immersion or ponded water, eg. vertical expansion joints in concrete or masonry structures, do not require priming if clean, dry and uncontaminated.

### Application

Apply FatraSeal PUR in a continuous bead using enough pressure to properly fill the joint. Tool off surface of sealant with an appropriate sized spatula or trowel. Apply sufficient pressure, ensure maximum contact with the interface of the joint.

### Paintability

FatraSeal PUR can be painted a minimum 48 hours after application using water borne coating and most epoxy flooring systems. Coatings containing high solvent contents such as gloss enamels or high oil based undercoats may cause the surface of the sealant to become tacky. A field test is recommended to ensure compatibility. To obtain best appearance and performance the paint must approximate the elongation capabilities of the sealant. High build coatings with some elastomeric ability such as quality acrylic emulsions have the capability to absorb low movement without significant distortion of the paint film

### Storage & Shelf Life

Store in a cool dry place, at temperatures between 5°C and 25°C. Opened product should be consumed immediately. DO NOT stock more than 5 cartons on top of each other. Shelf life is maximum one (1) year conditional to complying with the above mentioned storage conditions.