



POLYSEAL-PU 2371

Two-component polyurethane joint sealant

◆ Description:

A two-component polyurethane joint sealant PU 2371, designed for deep joint sealing, 100% solid, solvent-free, excellent adhesion to concrete/steel/wood surfaces, corrosion resistance, very high flexibility, Elongation more than 300% and high chemical resistance.

◆ Advantages:

- 100% solid, without VOC
- Resistant against alkalis and salts
- Excellent resistance against rapid temperature changes
- It has a wide range of application temperature
- High adhesion
- Excellent flexibility
- Resistant against water, impact and abrasion
- High build (can be applied to high thickness in one layer)
- Excellent reversibility
- Very high Elongation
- Self-leveling
- With crack bridging ability
- Good mechanical resistance
- Available in various colors

◆ Main uses :

It can be uses for sealing of:

- Expansion joints
- Cracks and gaps in industrial area, parking, factories, tunnels, dams...

◆ Physical properties:

| | |
|-----------------------|-----------------------------|
| Color | Available in various colors |
| Solids by volume | 100% |
| VOC | 0 g/L |
| Density (A+B) | 1.376±0.1 g/cm ³ |
| Mix ratio (by weight) | A/B = 2.33/1 |
| Mix ratio (by volume) | A/B = 1.52/1 |
| Number of components | 2 |
| Coal tar content | 0 % |
| Curing method | Chemical reaction |
| Elongation | > 300% |
| Impact | More than 75 in-lb |
| Flexibility | Absolut flexible |
| Chemical resistance | caustic soda 30% |
| Packaging | A: 2.3 Kg B: 1 Kg |



◆ Processing properties

@ 25°C /54% RH :

| | |
|-----------|-------------|
| Gel time | 45 min |
| Tack free | 1-1.5 hours |
| Post cure | 48 hours |

◆ Application guide:

- Surface preparation :

During sealing operation the substrate temperature should be 3°C more than dew point.

High relative humidity may affect adhesion negatively. So maximum allowed relative humidity would be 85%.

Polluted surfaces and loosed areas should be cleaned.

- Mixing:

POLYSEAL-PU 2371 must not be diluted at all. Use polyurethane Thinner T-900 for purging. Before application part A well-mixed until a homogeneous mixture and color is obtained. Then parts A and B are mixed together. A mixer should be used for mixing operation.

- Applications:

This material must be applied utilizing spatula and router. This material is self-leveling, Pour the material into the joints after mixing.

Use polyethylene Backing Rod under joint sealant for deep joints.

When you need to saturated concrete, before application of joint sealant you can use PFEP-2168 concrete primer.

In wet surfaces use of INDUFLOOR-IB 1240 is better.

◆ Important Advices

Do not open the packages till application time. Should be stored in a sealed container after opening.

◆ Storage :

12 months in unopened drums. Keep away from extreme heat, freezing, and moisture. The use of drum heaters is encouraged to reduce material viscosity at low temperatures.

◆ Warning :

This product may cause allergic problems when contacts with skin or inhaled. Special clothes, masks and gloves should be utilized during application process. Protective creams should be used in order to protect skin.