

# EUNISEAL POLYSEAL

Polyurethane joint sealant



### Product Description

EUNISEAL POLYSEAL is a one part, moisture curing, low modulus elastomeric joint sealant based on polyurethane. Suitable for movement and connection joints for indoor and outdoor applications. EUNISEAL POLYSEAL is a paintable weather resistant sealant that has versatile usage both as a sealant and a general adhesive in the construction industry for various substrates including concrete, steel, wood and many others.

### Advantages

- Weather resistant, suitable for External & Internal applications.
- Easy application using caulking gun.
- Paintable with non-sol vented or water based paints after curing in static joints (i.e. around door perimeters).
- No crack or craze under UV exposure.
- Non-sag and non-staining
- Does not require primer and exhibits tenacious adhesion to most building materials.
- Excellent movement accommodation.

### Uses

- Primer less sealing pre-cast panel joints and expansion Joints.
- As a general elastic adhesive for materials with dissimilar properties and thermal expansion coefficients.
- Movement and static joint sealing in various constructions industry requirements.

### Technical Data

| EUNISEAL POLYSEAL                    | Typical Values @23°C                                 |
|--------------------------------------|------------------------------------------------------|
| Skinning Time                        | 60-120 min. RH50%                                    |
| Curing Rate                          | 3mm/24 Hrs @ RH50%                                   |
| Density                              | 1.18 Kg/Liter (Gray)                                 |
| Service Temp.                        | 50 to 80°C                                           |
| Elongation at Break ISO8339          | >400%                                                |
| Tear Resistance-ISO 34               | ~ 7 N/mm                                             |
| Shore A Hardness                     | 25@ 28 days                                          |
| Elastic Modulus @100% ISO 8339       | 0.4 N/mm <sup>2</sup>                                |
| Movement Accommodation Factors (MAF) | ±25%                                                 |
| Adhesion Bond to Concrete            | Higher than host concrete cohesive strength          |
| Color Availability                   | White, Gray, Beige as standard, others upon request. |

### Design Criteria

EUNISEAL POLYSEAL use should follow standard concrete joints practices, sealants need either backing rod or joint breaker tapes to prohibit 3 point adhesion and allow for movement freedom in desired design.

### Standards Compliance

ASTM C920 Type S, Grade NS, Class 25, use T1, NT, A and M  
ISO 11600, F 25 LM  
H-S-00230C Class A, Type II

**Usage Instructions**

Joint Design Standard design dimensions for concrete elements as per DIN 18 540 /table 3

**Technical Service**

The technical department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

**Contact Information**

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