# PERMOHONAN PERSETUJUAN MATERIAL

Flooring

| | | |
|---|---|---|
| **Nama Proyek** | : | Epoxy Flooring & Waterproofing PVC Membrane Skuadron Udara 04 |
| **Nomor SPK** | : | 004/PO/MMK/IV/2026 |
| **Lokasi Pekerjaan** | : | Malang |
| **Item Pekerjaan** | : | Flooring |
| **Tanggal Pengajuan** | : | 25 Juli 2026 |
| **Diajukan Oleh** | : | Ramdhani Amrullah |

## 1. MATERIAL YANG DIAJUKAN

*1.1.*

| | | | |
|---|---|---|---|
| **Nama Produk** | : | Consol Back Rod | |
| **Packaging** | : | 500 m/roll | |
| **Keterangan** | : | Backrod berfungsi sebagai material pengisi (joint filter) yang dipasang di dasar joint sebelum sealent diaplikasikan. | |

*1.2.*

| | | | |
|---|---|---|---|
| **Nama Produk** | : | BOSTIK P795 SEAL'N'FLEX FC PREMIUM | |
| **Packaging** | : | 600 ml/ssg | |
| **Keterangan** | : | Sealant polyurethane 1 komponen yang juga berfungsi sebagai perekat. Produk ini memiliki elastisitas tinggi, cepat kering, tidak menyusut, bebas gelembung saat curing, serta memiliki daya rekat yang sangat baik pada berbagai permukaan, termasuk permukaan lembap. | |

## 2. LEMBAR PERSETUJUAN

| Diajukan Oleh | Diperiksa Oleh | Disetujui Oleh |
|---|---|---|
| (Ramdhani Amrullah) | (_____) | (_____) |
| Tanggal: _____ | Tanggal: _____ | Tanggal: _____ |

CONSOL®
CONCRETE SOLUTION

**TECHNICAL DATA SHEET**
**Version**: 002
**Update**: February, 2023

# CONSOL BACK ROD

## Closed Cell Polyethylene Filler

## DESCRIPTION

**CONSOL BACK ROD** is chemically non-cross linked polyethylene foam with closed cells, ecpanded 15 or 40 times. It is a light and durable material with excellent shock absorbing and heat insulation properties. Water-repellent and highlu resistant to weather-proof and chemical

## RECOMMENDED FOR

**CONSOL BACK ROD** are used in joints in pre-cast and cast-in-situ concrete elements to give support to the joint sealant applications, aid in the correct joint sealant geometry (application depth and shape) and prevent the joint sealant from adhering to the top of the expansion joint filler board (3-way bonding), acting as a bond breaker.

**CONSOL BACK ROD** can be used for forming the base of vertical and horizontal joint the following applications:

## BENEFITS

- No water absortion, closed cell
- Excellent wather ability
- No bitumen content
- Acts as a bond breaker
- Easy to install
- Non toxic, odourless
- Lightweight
- Resistant to ultravuilet light and most chemicals
- Ability to compress and recover
- Suitable for submerged or trafficable joints

.

## PRODUCT DATA

**Base**
Closed cell polyethylene foam

**Color**
White

**Density**
± 37 kg/m3

| Size (mm) | | Length/ Bundles |
|---|---|---|
| Diameter | Joint Size | |
| 8 | 5 - 6 | 1000 m' |
| 10 | 7 - 8 | 1000 m' |
| 13 | 9 - 10 | 500 m' |
| 15 | 11 – 13 | 500 m' |
| 20 | 14 - 17 | 250 m' |
| 25 | 18 - 22 | 200 m' |
| 20 | 23 - 27 | 200 m' |

## APPLICATION INSSTRUCTIONS

- Choose a diameter or square section wich is approximately 20% to 25% bigger than the actual joint size so it can be compressed to fit inside the joint leaving a tight and firm fit. Apply the becker rod to your specified depth for the sealant application.
- When installing the Rod, it is essential to ensure that blunt instrument is used to avoid cutting or puncturing the surface.
- The rod must be positioned to achive uniform and even, predetermined dept without any twist bumps or gaps.
- During installation avoid excessive longitudinal stretching of the rod.

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**Factory**
Kompleks Industri dan Pergudangan
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KIMIA KONSTRUKSI INDONESIA

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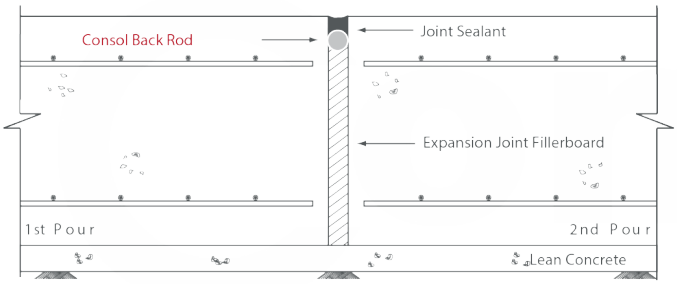
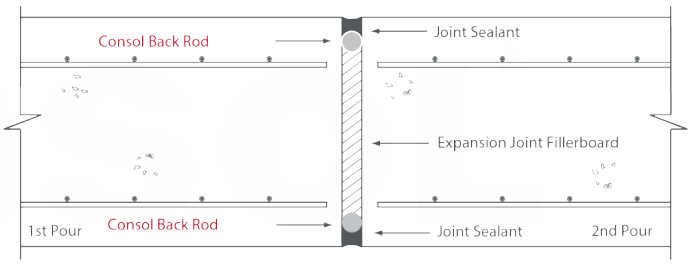
## TECHNICAL DATA

| Classification | Properties | Test Method | Consol Back Rod |
|---|---|---|---|
| **Mechanical Properties** | Density<br>Compression Strength<br>Dynamic stability rate<br>Tensile strength | KSM 3803<br>ASTM D-1621<br>10 - 20 | 0.035 g/ cm<br>0,4 kg/ cm<br>98 %<br>2,8 kg/ cm |
| **Thermal Properties** | Specific heat<br>Heat dislocation temperature<br>Coefficient of linear expabsion<br>Thermal conductivity | ASTM-C 351<br>BS-3837<br>ASTM D-696<br>KSM 3808 | 0,55 Kcal/ kg $_{o}$C<br>80 C<br>17 x 10-5 C<br>0,271 ~ 0,035 Kcal/ m hr C ( 20 C ) |
| **Water Resistance** | Water absortion | KSM 3808<br>ASTM E96-53T | < 0,03 Mg/ cm2<br>< 0,01 g/ m2 hr |

**Expansion joint in slab ground**




**Expansion joint in wall**

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# P795

## SEAL'N'FLEX FC PREMIUM

### ADVANCED DURABLE FLEXIBLE BUILDING AND CONSTRUCTION SEALANT

## TECHNICAL DATA SHEET

### BENEFITS

- 3-in-1 sealant (vertical & horizontal) & adhesive
- Bubble free curing
- Excellent toolability
- Suitable for wider joints (up to 50mm)
- Permanently elastic
- High mechanical resistance
- No shrinkage
- Adheres perfectly without primer on most, even damp, surfaces

### PRODUCT DESCRIPTION

**Bostik P795 SEAL'N'FLEX FC PREMIUM** is a *New Generation* one component user friendly low MDI fast curing high performance and durable polyurethane sealant. **Bostik P795 SEAL'N'FLEX FC PREMIUM** will **not form bubbles** during its curing process. It has total movement capability of 100% (±50%) for continuous expansion and compression cycles.

### APPLICATIONS

**Bostik P795 SEAL'N'FLEX FC PREMIUM** is specifically developed as a universal sealant for sealing construction & expansion joints, joints in pedestrian walkways and suitable for roofing applications, complies NFP 85-610. **Bostik P795 SEAL'N'FLEX FC PREMIUM** is also bonding adhesive for light fixtures and accessories.

### DIRECTIONS OF USE

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the width divided by 3 plus 6mm.

### LIMITATIONS

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable in combination with chlorides (pools)

### TECHNICAL DATA

| | | |
|---|---|---|
| 100% modulus | ASTM D 412, BTM-U023 | >1.0 N/mm² |
| Application temperature | | +5°C to + 40°C |
| Base | | New Generation PU |
| Curing time | @ +23°C/50% RH | 3 mm/24 hours |
| Density | ISO 1183-1 | 1.30 g/ml |
| Elongation at break | ASTM D 412, BTM-U023 | > 900% |
| Flow | ISO 7390 | 0 mm |
| Movement Capability | ASTM C 719 | ±50% |
| Shore A hardness | BTM-P003, ASTM C 661-15 | 37 - 44 |
| Shrinkage | ISO 10563 | < 10% |
| Skin formation | ASTM C 676 | 50 min. |
| Temperature resistance | | -30°C to +80°C |
| Tensile strength | ASTM D 412, BTM-U023 | 1.69 N/mm² |

*These values are typical properties and may vary +/-3%*

### SURFACE PREPARATIONS AND FINISHING

Application temperature + 5°C to + 40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Clean substrates with Bostik Cleaner. **Bostik P795 SEAL'N'FLEX FC PREMIUM** adheres perfectly without the use of a primer to most porous & non-porous substrates. In order to achieve maximum adhesion especially to concrete in which dust can't be avoided, Bostik Primer (or Bostik N49) is highly

recommended. Always test adhesion prior to application. Use Bostik Finisher to smooth the joint.

## PAINTABILITY

**Bostik P795 SEAL'N'FLEX FC PREMIUM** is paintable with water based and most 2-component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application.

## CLEANING

Uncured material and tools can be cleaned by using Bostik Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Bostik Wipes.

## COLOUR(S)

- White
- Off-white
- Light-grey
- Mid-grey
- Dark-grey
- Black

## PACKAGING

- 300 ml Cartridge, 12 per box
- 600 ml Sausages, 12 per box

*For product specifications, please refer to the Online Product Detail Page*

## SHELF LIFE

In unopened original packaging between + 5°C and + 25°C, shelf life is up to 15 months from production date, stored in a dry place.

## HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites.

## CERTIFICATIONS

- F-EXT-INT-CC 25HM
- PW-EXT-INT-CC 25HM
- SNJF 25E
- ASTM C-920 as Type S, Grade NS, Class 50, use T, G, A, M & O as external & traffic joint sealant
- ISEGA (direct food contact)
- A+ French VOC Regulation

**The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. However, no warranty in respect of merchantability or fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advise offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.**

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