

MONNELI ELASTOSEAL CTP

Coal Tar Extended Polyurethane Joint Sealant

Product Description

A two component pitch extended, Polyurethane based joint sealant that cures to provide a durable and elastic seal, with superior resistance against exposure to severe climate conditions, UV light and other chemicals.

Fits suitably even in areas where fuels and chemical spillage tend to occur.

Uses

ELASTOSEAL CTP is mainly used in sealing internal floor joints of heavy wheeled, traffic flicked areas and places subjected to heavy industrial use such as factories, food processing areas, warehouses, maintenance facilities and air fields.

ELASTOSEAL CTP is also suitable for sawn joints in long strip flooring and other large internal areas like car parking decks, warehouses, etc.

Advantages

- Extremely resistant to chemicals and high grade hydrocarbon fuel
- Permanent and uniform water tight seal
- Load bearing for support of arises under heavy wheel load
- Suitable of extreme weather conditions
- Excellent flexibility and movement tolerance

Instructions for Use

Surface Preparation

Joint Preparation

The joint surface must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may affect the adhesion.

A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. The compressible joint filler shall be cut back to expose a uniform joint depth.

Joint Design

ELASTOSEAL CTP may be applied to joints between 6 and 40 mm. The width of joints should be designed for a maximum of $\pm 25\%$ movement at the time of installation. For joints up to 13mm width, depth should be equal to the width, while for joints wider than 13mm the depth of the sealant should be $\frac{1}{2}$ the width of the joint.

To control joint depth, use CORDOFLEX closed cell polyethylene backer rod, vertical joints only. If joint depth does not allow for backer rod, use polyethylene bond breaker tape to prevent three-sided adhesion. Do not prime the backer rod.

Priming

SEALPRIME should be applied to clean, dry surface prior to the installation of backer rod or bond breaking tape. The primer shall be applied by a brush in a thin coat application and shall be allowed to become tack free prior to the application of the sealant. The joint edges shall be re-primed if the sealant installation is not carried out within 3 hours of application of the primer. For obtaining a clean and neat finish, masking tape shall be applied on both the edges of the groove before applying the primer.

Mixing

ELASTOSEAL CTP is a two component product that must be mixed at the time of application. Add the entire content of the Hardener (part B) to the base (Part A) and mix for one minute till obtaining homogenous mix. For mixing, use a heavy duty slow speed drill (200- 300 rpm) with a sealant mixing paddle. Scrape down sides as much as possible during mixing and avoid lifting mixing blade out of material to minimize entrapment of air. The pot life of the mix depends on temperature and weather conditions.

Application

Apply ELASTOSEAL CTP immediately after mixing by pouring directly into the joint. Fill the joints from the bottom up to the exterior surface, avoiding bridging which may form air voids. Use the sealant tool to compact the sealant into the joints and to achieve a smooth concave polished surface.

Any masking tape which has been applied at the joint edge should be removed before the sealant cures.

Cleaning

Clean the used tools with SOLVENTE 10 immediately after completing the job and before the product dries. Hardened material should be removed mechanically.

Recommendations

- Do not apply on damp and contaminated surfaces
- Sealant joint movement should not exceed $\pm 25\%$ of joint width when installed in a 2:1 width to depth ratio
- ELASTOSEAL CTP is not recommended for use in vertical joints
- ELASTOSEAL CTP should never be applied on damp and contaminated surfaces
- Do not over paint ELASTOSEAL CTP
- ELASTOSEAL CTP is not compatible for use in areas with Slope Gradient $> 10\%$.

Consumption

The approximate linear meter sealant consumption per liter can be estimated from the following formula:

$$\text{Sealant consumption per linear meter (liter)} = \frac{W \times D}{1000}$$

Where: W = Joint Width (mm)

D = Joint Depth (mm)

Packaging

4 Liter kit (Comp A and Comp B)

Technical Data

Properties	Results
Appearance	Black paste
Specific gravity	1.40
MAF	25%
Shore A' hardness	50
Tensile strength	0.6 N/mm ²
Tear strength	2.5 N/mm ²
Elongation	$> 200\%$
Application temperature	+5°C to 35°C
Service temperature	+5°C to 70°C
Pot life +30°C	1 hour
Tack free time +35°C	24 hours
Chemical resistance	Excellent resistance to fuels, lubricants, hydraulic fluids, dilute acids, alkalis

All values are subject to 5-10 % tolerance

Joint Design

Width	Depth (mm)
16-13	Equivalent to width
13 - 25	½ of width
Over 25	½ to ¾ of width

Storage

Keep the product in dry and covered shed. Exposure to extreme temperature and humidity results in the deterioration of the product's efficiency and reduces its shelf life.

Health & Safety

Avoid contact with skin or eyes. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
KSA
ITALY

P.O. Box 123808 Dubai UAE
P.O. Box 127326 Abu Dhabi, UAE
P.O. Box 335896 Code: 11383 - Riyadh KSA
Z.I. Ponte d'Assi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450
T. +971 2 5511949 F. +971 2 5511749
T. +966 1 2654277 F. +966 1 2654335
T. +39 75 9221297 F. +39 75 9221174

ELASTOSEAL CTP
Technical Data Sheet
Edition: January 2020
Revision: 02

colmef@colmef.ae

www.colmef-me.com