



Dayson Joint Flex 10

One-part, self-leveling pourable polyurethane sealant

Resistant to hydrocarbons, oils and fuels. Pitch free

DESCRIPTION:

Dayson Joint Flex 10 is an elastic, one component, self-leveling polyurethane sealant specifically developed to be used as a multipurpose floor joint sealant and in applications where a high chemical resistance to fuels, oils and hydrocarbons is requested. It is a high modulus sealant with excellent resistance to ageing and weathering. Specific for the sealing of horizontal floor joints avoiding the finishing and tooling process.

AREAS of APPLICATION

- Movement and connection joints in floors
- Indoor and outdoor applications for pedestrian and traffic areas (e.g. petrol station, decks, car parks)
- In warehouses and production areas
- Joints in waste water and sewage treatment plants - preliminary request or information to technical department in requested
- Floor joints in tunnel construction
- Floor joints in working areas and runways of airports

ADVANTAGES

- One part - no mixing on site
- Pitch free
- Movement capability 25%
- Bubble-free curing
- Good mechanical and chemical resistance
- Very good adhesion to most construction materials
- Permanently elastic over a wide range of temperatures
- Approval / Standards Conforms to ISO 11600 F 25 HM
- Conform to BS 5212 for determination of resistance to heat ageing and fuel immersion.

TECHNICAL DATA:

	Semi-liquid
• Appearance	Grey
• Colour	Polyurethane
• Chemical nature	Moisture-curing
• Curing mechanism	26
• Shore A (23°C and 50% r.h; DIN 53505)	1.42 ± 0,02
• Density [g/cc]	60 - 80
• Tack-Free time (min) (23°C and 50% r.h.)	≥0.4
• Elastic modulus at 100% [N/mm²] (ISO 37 DIN 53504)	≥1.8
• Tensile strength [N/mm²] (ISO 37 DIN 53504)	≥750
• Elongation [%] (ISO 37 DIN 53504)	from +5 to +40
• Application Temperature [°C]	- 40 / +90, for short period up 120
• Temperature Resistance [°C]	

APPLICATION

Surface Preperation

Surfaces must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Pre-cast panels using form-release agents other than polyethylene film must be sandblasted or mechanically abraded and dust free.

Porous substrates: concrete, cementitious renders, mortars, brick, etc. have to be primed with Dayson Primer by using a brush. Before sealing allow a flash off time of at least 15 min.

Sealing

Recommended application temperatures: 15°-25°C. For easier use or cold weather application we recommend the material to be stored at approximately 25°C prior to use.

In order to guarantee free movement of sealant in joints, it is imperative that the sealant does not adhere to the bottom of the joint, therefore for correct joint making a closed-cell polyethylene bead (joint backing rod) is to be placed at the proper depth.

Apply appropriate primer to joint sides and observe waiting time to avoid that trapped solvent, in condition of rising temperature, can blow bubbles in the uncured sealant. For best performance, sealant should be gunned into joint when the joint slot is at mid-point of its designed expansion and contraction. Firmly extrude sealant into the joint making sure that it is in full contact with the sides of the joint and with the backing rod at the bottom. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air.

All joints must be properly designed and dimensioned by the specifier and the main contractor in accordance with the relevant standards, materials and technical values.

The recessed joint design protects the sealant against mechanical loads. Fill the joint with Dayson Joint Flex 10 2.0 mm below the surface of the joint sides.



Finishing indications and limitations

As sealant is self-levelling, it doesn't need to be tooled. Masking tape should not be used, just paying attention to the product not being put in excess respect to the joint volume capacity. Dayson Joint Flex 10 is resistant to chemical spillage by: dilute acids, dilute alkalis, aviation fuels, diesel fuels, lubricant oils, petrol, kerosene, cleansing agents, sea water, lime water. Avoid exposure to high levels of chlorine (avoid to seal joints in chlorinated swimming pools). Avoid contact with alcohol and other solvent cleaners during cure. Do not apply when moisture-vapour-transmission condition exists from the substrate as this can cause bubbling within the sealant. The ultimate performance of Dayson Joint Flex 10 depends on good joint design and proper application with joint surfaces properly prepared. Do not cure in the presence of curing silicone sealants.

CLEANING of EQUIPMENT

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

PERSONAL PROTECTIVE MEASURES

Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water.

PACKAGING

Metal drum 200lt:	net, 290 kg
Alu-PE bags 600 ml.:	20 bags per box
Alu-PE bags 1800 ml.	6 bags per box (on request); dedicated dispensing system

STORAGE

Dayson Joint Flex 10 can be stored for 12 months in its original packing (unopened container) at 10°- 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

GENERAL INFORMATION

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. DAYSON, however, guarantees constant product quality. DAYSON, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT.

