

SealArm PU Flex

(Formerly known as MYK SEAL FLEX PU45 (I))

Elastic 1K PU joint sealant



TECHNICAL DATA SHEET

Product Description

SealArm PU Flex is a one component, medium-modulus pigmented polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to all construction materials. The sealant possesses movement capability of 25% and conforms to BS 6920 for the metallic water soluble impurities and is suitable for use in drinking water system. It meets the test requirements of ASTM C-920, Type S, Grade NS, Class 25.

Uses

SealArm PU Flex is used as a joint sealant for floor joints in heavy duty areas e.g. industrial areas, breweries, dairies, commercial kitchens, balconies, terraces as well as between concrete elements. It seals expansion and control joints, pre-cast concrete panel joints, window perimeters, steps, risers, roof and tilt wall joints.

Features and Benefits

- ✓ Single component – minimizes wastage
- ✓ Easy to apply
- ✓ Light and UV stable characterized by high elasticity. Possesses good resistance to dilute acids and alkalis, salt solutions, neutral water-based cleaners as well as hot oils and fats.
- ✓ Conforms to BS 5212 Standard

Application Methodology

Step no.1: Surface Preparation

The area for application must be dry, sound, load bearing and have good grip. For best performance it may be necessary to clean the surface with a solvent such as acetone or Methyl ethyl ketone or with coarse lint free cloth.

Step no.2: Priming

For general application when substrates are good & sound primer is not required for Highly Porous substrate a primer is recommended. Please Consult MYK Arment's technical team, if required.

Cleaning:

Thoroughly clean tools after use with FloArm Clean PU

Step no.3: Product application

Close the joint with backing strip/Rod.
Prime mineral-based highly porous joint edges with SealArm Primer PU. Prepare non-porous joint edges with SealArm Primer PU.
Construct joint dimensions (width:depth) with the joint factor:

1:1 up to 10 mm wide joints
2:1 from 10 to 30 mm

SealArm PU Flex can be applied directly into the joint from cartridge or sausage using manual or pneumatic applicators.

A plastic nozzle is supplied which can be cut to the desired orifice and shape to facilitate application.

Apply continuous bead of sealant to the prepared surface/joint in a uniform thickness. If spreading is required use enough pressure to spread the sealant and displace any trapped air.

Physiological behavior and protective measures:
Once cured, SealArm PU Flex is physiologically harmless. When working with this product the protective provisions from the government safety organization, information sheet M 044 must be observed.

Product stored at low temperatures will lead to an increased viscosity, resulting in lower extrusion rate.

Advice:

- SealArm PU Flex is not suitable for applications under water or under constant water pressure.
- Do not use alcohol-based smoothing materials.
- Applications that are not clearly explained in this technical datasheet may only be carried out after consultation with MYK Arment Technical team.

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Technical Data

Basis	Single component polyurethane sealant (moisture curing).
Color	White & Grey
Density	Approx. 1.30 + 0.1 g/ml
Shore-A-Hardness (ASTM D 2240)	Approx. 35
Slump Resistance	Very good
Tensile Strength (ASTM D 638)	Approx. 1.20 Mpa (at 100% elongation)
Elongation % (ASTM D 638)	Approx. 200 %
Tear Strength	Approx. 7 Kg/cm ²
Peel Adhesive Strength (ASTM D 903)	200 N/m
Movement accommodation	25%
Sag	Non Sag
Max. joint width	30 mm
Min. joint width	10 mm
Min. depth	8 mm
Application temperature	+10°C to +40°C (substrate)
Temperature resistance	-40°C to +80°C
Skin formation: after approx	50 minutes@ 27°C

Product Categories Available



Packaging

SealArm PU Flex:600 ml Sausage.

Storage and Shelf Life

12 Months from Mfg. date, when stored in cool and dry place in the original sealed packaging. Use opened Packaging immediately.

Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of 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 advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.