

TECHNICAL DATASHEET

ASCOSEAL PU

Single Part, Low Modulus Polyurethane Sealant



PRODUCT INTRODUCTION

ASCOSEAL PU is a specially developed single part, low modulus, moisture curing and VOC compliant polyurethane sealant for application to concrete and masonry. It has fast curing properties that develop into a strong, durable and weather resistant sealant and exhibits excellent adhesion to a wide variety of substrates.

INDEX

RECOMMENDED APPLICATION	02
TECHNICAL DATA	02
PRODUCT KEY FEATURES	02
APPLICATION METHODS	03
SURFACE PREPARATION	03
PRIMING	03
APPLICATION	03
CURING	03
PACKAGING	04
SHELF LIFE	04

KEY FEATURES

1. Ready & Easy to apply
2. Excellent adhesion to many substrates
3. Excellent resistance to ageing/weathering - suitable for interior and exterior use
4. Paintable once cured
5. Fast curing
6. Non staining
7. Permanently elastic
8. Excellent vibration and dampening properties

RECOMMENDED APPLICATIONS

Sealing floor joints in concrete floors. Bonding and sealing fiber-cement panels. Sealing roof and gutter joints. Pick resistant sealant for use in public areas, shops & schools. Sealing pipe and duct penetrations in walls & floors. Joints around windows, doorframes & walls. Suitable for following substrates.

- Masonry, Concrete
- Aluminium, Steel, Timber, Glass
- Cement Sheet, Ceramic

TECHNICAL PROPERTIES

Chemical Base	Polyurethane
Color	White/Grey
Density	1.3 Kg/l
Consistency	Thixotropic
Shore 'A' Hardness	35 ± 5
% Elongation	≥ 800 %
Solid Content	100 % Weight
Tensile Strength	1.2 N/mm ²

APPLICATION METHODS:

1. Surface Preparation

The substrate must be clean, dry, sound and free of all contamination such as dirt, oil, grease & coatings etc. which hinder an adhesion.

2. Priming

ASCOSEAL PU is considered a non-priming sealant, but special circumstances or substrates may require a suitable primer.

3. Joint Sealing

Always use a backing rod for correct sealant geometry and contact with the substrate. Primer after the installation of the backing rod Ensure maximum adhesion to bond face. In optimal conditions, the ratio of depth to width should be 1:1 up to 15 mm and 1:2 from 15 to 50 mm. The sealant joint depth (measured at the center) should always fall between the maximum depth of 1/2" and the minimum depth of 1/4".

4. Application

ASCOSEAL PU shall be applied with a manual or pneumatic caulking gun. The product should be gunned into the prepared joint. Do not apply the sealant at temperatures <5°C. Do not apply on wet substrates. After filling an appropriate length of joint, smooth the sealant with a spatula or trowel, pressing the sealant into the joint to form the required finish while ensuring the sealant fills the joint and is complete contact with the substrates. After finish application the sealant can be smoothed with a gloved finger using soap and water as lubricant.

For submerged conditions a firm backing and good adhesion to joint sides are essential. Concrete must be fully cured (4 weeks) and use of **ASCOSEAL PU** is recommended.

5. Curing

Optimum performance level is reached after 24 Hrs of curing.

COVERAGE

Joint Width mm	Joint Depth mm	1 Ltr / (RMT)
6	6	25
10	10	6
15	12	4
20	12	2.5
25	12	2.0
30	15	1.5

6. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use **ASCOSEAL PU** for storage and application
- ii. If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand gloves are recommended to protect eyes, skin and mouth while in use.

(Material Safety Data Sheets are available through our company's representative or from our ASCOLITE's website)

7. Packaging

Available in 600ml unipac/sausage.

8. Shelf Life

09 months from the date of production if stored in original, unopened packaging & in places protected from moisture, sun exposure and frost.

DISCLAIMER:

While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at www.ascolite.in. Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.