

# Flexseal AS111

Universal silicone sealant (Formerly known as Aylaseal 111)



## DESCRIPTION

Flexseal AS111 is a universal one-part acetoxy cure silicone sealant, which cures rapidly on exposure to moisture to form a resilient elastic silicone rubber.

## APPLICATIONS

Recommended for use in sanitary applications, sealing wall joints formed in ceramic tiles in bathrooms and kitchens, perimeter joints around uPVC frames as well as general industrial sealing.

## ADVANTAGES

- » UV resistant.
- » Mould resistance.
- » Non-sag sealant.
- » Easy to apply, one component sealant.
- » Long service life with stable colour.
- » Remains flexible at wide temperature range.
- » Excellent adhesion strength to non-porous substrates such as aluminum, glass, ceramic etc.
- » Does not induce bacterial growth.

## STANDARDS

Flexseal AS111 complies with:

- » BS EN ISO 11600 F25 LM.
- » ASTM C920, Type S, Grade NS, Class 25, Use G, A, O and NT.

## METHOD OF USE

### JOINT PREPARATION

The joint surfaces must be clean, dry and free from all contamination. Primers may be required on some substrates.

It is recommended to use masking tape on each side of the joint to maintain clean and uniform joint sides.

### JOINT BACKING

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

## TECHNICAL PROPERTIES @ 25°C, 50% RH:

Consistency:	Soft paste
Tensile strength:	> 1 MPa
Elongation:	> 550%
Specific gravity:	0.97 ± 0.04
UV resistance:	Very good
Skimming time:	3 - 6 min
Shore A hardness:	20 ± 5
Service temperature:	-40 up to 100°C
Application temperature:	5 to 40°C
Chemical resistance:	Resistant to most alkalis and dilute acids. Organic solvents may cause the sealant to swell and lose adhesion, but do not directly dissolve the sealant
Service life:	+25 years
Curing rate:	1 - 2 mm/24 hr
Colour:	White, black & translucent
VOC:	< 110 g/ltr

## APPLICATION

Flexseal AS111 is supplied in cartridges and can be applied into the joint using caulk gun. It is recommended to cut the nozzle at a minimum of 6 mm size for ease of extrusion.

Apply Flexseal AS111 into the joint starting from the bottom, ensure that the joint is completely filled. Tool the surface of the sealant within 10 minutes of the application using a spatula or suitable smoothing liquid.

This will provide a smooth finish and will ensure good contact between the sealant and the substrate. Remove the masking tape directly after tooling the sealant.

## PACKAGING

Flexseal AS111 is available in 280 ml cartridges. Polyethylene nozzles are included in each box.





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## SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per 280 ml cartridge
6 x 6	7.77
9 x 6	5.15
12 x 9	2.60
18 x 10	1.55
25 x 10	1.10

## LIMITATIONS

- » Not recommended on porous substrates such as concrete, stone and marble.
- » Not recommended to be used on bituminous substrates or substrates based on natural rubber and EPDM.
- » Flexseal AS111 can corrode mirror, silver, copper, brass and lead.
- » Not recommended to be used in submerged joints.

## STORAGE

Flexseal AS111 has a shelf life of 12 months from date of manufacture if stored in original unopened packages stored in a cool, dry place out of direct sunlight.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## CAUTIONS

## HEALTH AND SAFETY

Avoid prolonged contact with the skin. If sealant comes into contact with the eyes, flush with copious volumes of cold water and obtain medical attention.

For further information refer to the Material Safety Data Sheet.

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- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.



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