

Donseal GA777-AC

General purpose, water based acoustical acrylic sealant



DESCRIPTION

Donseal GA777-AC is a one-part, water based, acoustical acrylic sealant which can be used to reduce sound transmission and improve STC ratings in many types of wall and partition systems by sealing the areas around cut-outs and at the perimeters of partitions.

Donseal GA777-AC provides enhanced adhesion and does not need a primer when applied to concrete, stone, marble and aluminum surfaces, making it an ideal solution for many interior and exterior sealing applications.

Donseal GA777-AC cures on exposure to the atmosphere to form a durable, flexible acoustical seal.

APPLICATIONS

Donseal GA777-AC is used for sealing joints in the building industry in many applications such as:

- » Concrete, wood, anodized aluminum, blockwork, marble and natural stone.
- » Around windows and door frames.
- » Cladding panels.
- » Galvanized metal sheets.
- » Perimeter Joints.
- » Wall penetrations in gypsum or plaster.
- » Openings for electrical boxes, pipes, duct systems, and cutouts.

Also, it can be used as an adhesive to fix lightweight building materials (*An adhesion test is recommended before use*).

Advantages

- » Single component ready for use.
- » Reduces sound transmission.
- » 10% movement accommodation factor.
- » Easy to apply, tool, and clean.
- » UV resistant.
- » Excellent mould resistance.
- » Excellent adhesion to most building substrates.
- » Can be painted.
- » Available in a wide range of colours.
- » Low VOC.

STANDARDS

Donseal GA777-AC complies with:

- » ASTM C834, Type OP, Grade NF.
- » Tested according to BS EN ISO 140-3 and classified as per BS EN ISO 717-1 for acoustical properties.

TECHNICAL PROPERTIES:

Colour:	Various
Specific gravity:	1.55 ± 0.05
Skin over time:	8 - 16 min @ 25°C
Curing rate:	3 mm/day @ 20°C
Service temperature:	-5 to 60°C
Application temperature:	10 to 50°C
Movement accommodation:	10%
UV resistance:	Excellent
Sag resistance:	Excellent
Sound reduction index, Rw: ISO 717-1	49 dB
Elongation: ASTM D412	> 200% @ 7 days
Shore A hardness: ASTM D2240	40 @ 7 days
Tensile strength: ASTM D412	0.5 MPa @ 7 days
VOC:	< 50 g/ltr (comply with LEED)

METHOD OF USE

JOINT SURFACE PREPARATION

Surfaces must be clean, dry and free from dust, grease, oils, old caulk, dirt and all other contaminants.

JOINT BACKING

Where applicable, appropriate joint backing rod such as closed cell polyethylene foam should be used to provide the correct joint depth.

APPLICATION

Donseal GA777-AC is supplied in cartridges and can be applied into the joint using a skeleton Gun.

Cut off cartridge top, cut the nozzle to the required size and attach the nozzle to the cartridge. Extrude the sealant firmly against the joint surfaces to ensure complete contact.

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Tool the sealant into the joint to compact and achieve a good surface finish. Tool within 10 minutes after the sealant is applied.

LIMITATIONS

- » Moisture on substrates will adversely affect adhesion.
- » Donseal GA777-AC should not be used in submerged applications.

CLEANING

Uncured sealant can be removed using clean water, cured sealant should be removed mechanically.

PACKAGING

Donseal GA777-AC is available in 280 ml cartridges and 20 kg buckets.

SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per 280 ml cartridge
3 x 5	20.65
5 x 5	12.40
10 x 5	4.10
10 x 10	3.10
20 x 10	1.55
20 x 20	0.77
25 x 12	1.03

JOINT SIZE SUITABILITY

Joint width:*

- » 3 mm minimum.
- » 25 mm maximum.

Joint depth:

- » Half the joint width.

STORAGE

Store in a dry and cool conditions away from humidity.

SHELF LIFE

Donseal GA777-AC has a shelf life of 12 months from date of manufacture in original unopened package away from humidity.

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

CAUTIONS

HEALTH AND SAFETY

If Donseal GA777-AC comes into contact with eyes, flush with copious volumes of cold water and obtain medical attention.

For further information refer to the Material Safety Data Sheet.

FIRE

Donseal GA777-AC is nonflammable.

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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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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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