

SikaBond® Construction Adhesive

SikaBond Construction Adhesive is a high strength elastic adhesive for bonding Rockfon panels (particularly Rockfon® Facett™ and Sonar® Activity) onto concrete, wood or metal ceiling/wall constructions. Through fine tuning of both products a perfect and long-lasting end result (subject to correct use and according to instructions) can be guaranteed.

Before the Application

Substrates:

The substrate (typically of concrete, stone/brick, gypsum, wood, metal, and various synthetics) should be solid and firm. Any paint or plaster layers must have durable adhesion strength. If the substrate is uneven or shows rough irregularities of more than 5mm, a support of lathwork is recommended with mechanical fixing with hooks.

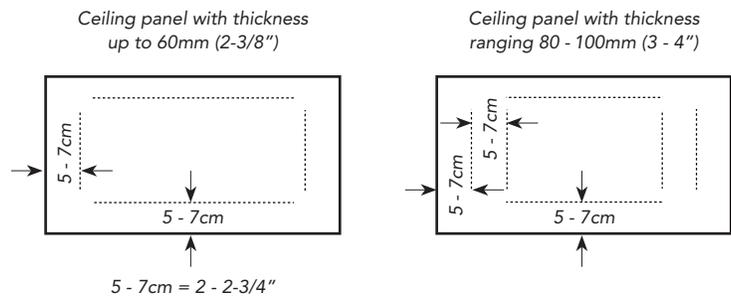
Pre-treatment

The substrates must be clean and free of condensation, dust and grease. The substrate does not need to be absolutely dry (slightly humid substrates without water are allowed). For very porous and/or absorbent substrates, a primer is recommended. Please contact Sika Canada for a primer recommendation.

Application

SikaBond Construction Adhesive can be applied with a standard caulking gun according to the adhesive pattern diagrams provided here. Material should be preconditioned to between 18 and 24°C (65 and 75°F) before using. The cartridge nozzle should be cut as to achieve a 9mm x 9mm (3/8" x 3/8") triangular bead of adhesive when dispensed, refer to the diagram below. Hold the caulking gun with the nozzle perpendicular (not angled) to the ceiling panel. The panels must be installed within 15 minutes of applying the adhesive. Press the panel firmly and fully onto the substrate with a foam-padded plasterer's trowel with foam pad. The panel bonds directly to the substrate without the need to support it. Moving panels slightly for correct positioning is still possible during the first few minutes.

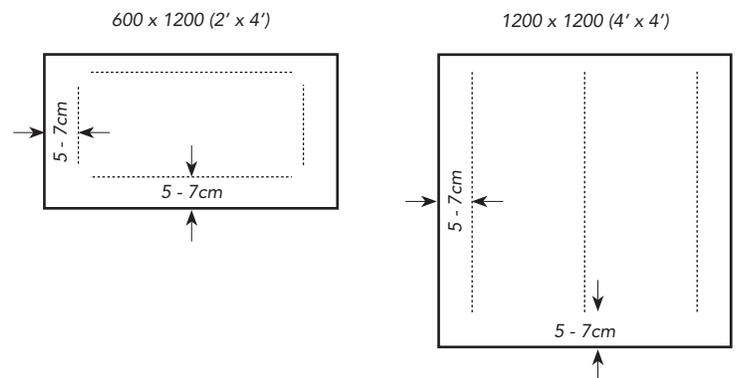
Adhesive Pattern – Facett Panels



Consumption with Sonar Activity Panels

Consumption is about the same as Facett panels up to 60mm (2-3/8") when bonding Sonar Activity panels to either ceilings or walls. Apply the triangular adhesive beads according to the following patterns:

5 - 7cm = 2 - 2-3/4"



Consumption with Facett Panels

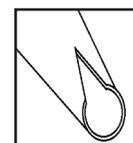
Per 300ml cartridge using triangular shaped bead 9mm x 9mm (3/8" x 3/8"):

1.5 - 2 panels with thickness up to 60mm (2-3/8")

1 - 1.5 panels with thickness ranging 80 - 100mm (3 - 4")

Triangular Cut Nozzle

9mm x 9mm (3/8" x 3/8") Triangle



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Strength and Curing

Panels should be installed on the substrate within 15 minutes after application of the adhesive. The initial adhesive strength (green strength) is more than enough to keep the panel immediately in place. Once fully cured and having been installed as specified, a safety factor of several times the required adhesive value is realized.

SikaBond Construction Adhesive curing time is influenced by air humidity levels. The curing process is in fact faster under slightly elevated humidity conditions, so humidity should never be an issue. Final bonding strength of the adhesive is reached within several days, dependent upon the conditions. The adhesive is permanent, strong and flexible.

Technical Data

- Appearance:** Grey
- Shore A Hardness:** 40 - 45
- Tensile Stress:** 1.55 MPa (225 psi)
- Elongation at Break:** 600%
- Application Temperature:** 4°C to 38°C
(40°F to 100°F)
- Service Temperature Range:** -40°C to +77°C
(-40°F to 170°F)
- Shelf Life:** 9 months in
unopened container
- Packaging:** 300ml and 858ml cartridge,
12 per case

Method of Use

