



# SikaTack®-Panel System

## Secret Fix Cladding Panel System

### Technical Data Sheet

#### DESCRIPTION

The **SikaTack-Panel System** is an elastic adhesive system for the secret fixing of cladding panels.

The system comprises of the following products:

- \* **SikaTack-Panel Adhesive**
- \* **SikaTack-Panel Primer**
- \* **SikaTack-Panel Fixing Tape**
- \* **Sika Cleaner 205**

**SikaTack-Panel Adhesive** is a one part gun applied polyurethane structural adhesive for permanent bonding of cladding panels.

#### USES

The **SikaTack-Panel System** is suitable for bonding ceramic and plastic ventilated facade panels onto aluminium or timber sub-structures.

#### ADVANTAGES

- \* A complete bonding system.
- \* One part - no mixing on site.
- \* Elastic.
- \* Can be over painted.
- \* Good gap filling capabilities.
- \* Capable of withstanding high dynamic stresses.
- \* Vibration damping.
- \* Non corrosive.
- \* Electrically non conductive.
- \* Good bond to panels and sub-structure.
- \* Silicone free.

#### Technical Data (typical)

##### SikaTack-Panel Adhesive

<b>Colour:</b>	Ivory
<b>Density:</b>	1.20 kg/litre
<b>Service temperature range:</b>	-40°C to +90°C
<b>Cure rate:</b>	4 mm/day
<b>Application temperature:</b>	+5°C min, +35°C max (Substrate and ambient)
<b>Shore A hardness:</b>	55 after 28 days (+23°C / 50% RH)
<b>Tack free time:</b>	20 minutes (+23°C / 50% RH)
<b>Elongation at break:</b>	> 300%
<b>Tensile strength at break:</b>	4.0 N/mm <sup>2</sup>
<b>Tensile strength:</b>	2.5 N/mm <sup>2</sup>

##### Pre-Treatment Products:

	Sika Cleaner 205	SikaTack-Panel Primer
Chemical basis	Bonding agent in alcohol solution	Solvent containing pigmented epoxy resin formulation
Colour	Transparent, colourless	Black
Density	0.8 g/cm <sup>3</sup>	1.0 g/cm <sup>3</sup>
Application temperature	+5°C to +35°C	
Flash point	+14°C	-4°C
Shelf life	12 months from date of production, stored in original sealed containers and dry conditions at temperatures between +10°C and +25°C.	

##### SikaTack-Panel Fixing Tape:

Characteristics values	
Chemical basis	Closed-cell polythene foam solution
Colour	White
Dimension	12 x 3 mm
Density	0.05 g/cm <sup>3</sup>
Tensile strength	approx 0.3 MPa
Tensile shear strength	approx 0.3 MPa
Application temperature	+5°C to +35°C

All above values are approximate.

## SURFACE PREPARATION, PRIMING AND APPLICATION

Refer to Installation Guide. Available on request.

## IMPORTANT CONSIDERATIONS

- \* **SikaTack-Panel Adhesive** should not be used for structural glazing.
- \* Protect the finished joint from water for at least 12 hours.
- \* Long-term strength is provided by **SikaTack-Panel Adhesive**. It is not permissible to include the mechanical values of the tape in the calculation of strength applicable over the long term. It must be applied onto the full length of the substructure.
- \* **SikaTack-Panel Adhesive** may be overpainted. However some coatings may crack if movement occurs, preliminary tests recommended.
- \* Do not use **SikaTack-Panel Adhesive** in contact with materials containing bitumen, pitch or silicone.

## CLEANING

Clean tools immediately with **Sika Cleaner 205** or **Thinner C**.

## PACKAGING

Refer to latest price list.

Material	Application	Consumption
<b>SikaTack-Panel Adhesive</b>	Triangular bead 8 x 10 mm	~44 ml/m
<b>Sika Cleaner 205</b>	Width 50 mm	~3.5 ml/m
<b>SikaTack-Panel Primer</b>	Width 50 mm	~8 ml/m
<b>SikaTack-Panel Fixing Tape</b>		1m/m

## MATERIAL CONSUMPTIONS

Excluding allowances for loss, wastage and surface profile.

## STORAGE AND SHELF LIFE

### **SikaTack-Panel Adhesive**

9 months from date of production if stored in cool, dry conditions (@ +5°C to +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

**Please consult our Technical Sales Department for further information**

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