



INSTA-STIK™ ROOFING STD

INSTA-STIK™ ROOFING STD is a moisture-curing one component polyurethane foam adhesive for flat roof systems. The product is available in combination with 3 different types of applicator.



1) Adhesive application using the INSTA-STIK™ long barrel gun

With the long barrel gun the INSTA-STIK™ ROOFING STD is applied in foam beads to bond insulation onto flat roofs. The long barrel gun is very efficient and ergonomic for daily roofing work.



2) Application with the Hose & Wand dispensing accessory (H&W)

With the H&W accessory the INSTA-STIK™ Roofing STD is applied in foam beads. It is used to bond insulation boards onto conventional flat roofs. The application with the long plastic wand results in a higher foam bead density and therefore in a higher foam bead strength. The usage of the H&W accessory allows roofers an ergonomic usage.



3) The INSTA-STIK™ Spray applicator

For full-face adhesive application, the INSTA-STIK™ Spray applicator can be used as well. It is a cost-effective, but efficient applicator, which works with compressed air at a pressure of 4-5 bar (an air compressor is needed).



INSTA-STIK™ ROOFING STD is compatible with the following materials:

- Steel, concrete, wood, bituminous membranes, MW, EPS, PIR and PUR
- Fleece-backed water proofing membranes (PVC, TPO, TPE, EPDM)
- Existing intact flat roofs substrates. Here individual testing is required to verify compatibility and performance.

Fleece-backed plastic water proofing membranes (**PVC, TPO, FPO, EPDM**) full-faced bonded with INSTA-STIK™ ROOFING SPRAY

Substrate	vapor barrier	Insulation		INSTA-STIK ROOFING™ SPRAY	
		type	TRi*	adhesive amount	min. design load
Steel sheet,	w/wo	MW	TR15	120g/m ² +/- 10%	3.0 kPa
reinforced concrete,	w/wo	EPS, PIR, PUR	TR40	60g/m ² +/- 10%	2.5 kPa
wooden construction	w/wo	EPS, PIR, PUR	TR80	60g/m ² +/- 10%	3.5 kPa



Insulation boards (**MW, EPS, PIR, PUR**) bonded with INSTA-STIK™ ROOFING STD applied with the **long barrel gun** (bead diameter of 20-25mm):

Substrate	vapor barrier	Insulation		INSTA-STIK ROOFING™ STD LBG		
		type	TRi*	stripes	adhesive amount	min. design load
Steel sheet	w/wo	MW	TR15	8	120g/m ² +/- 10%	3.0 kPa
Reinforced concrete/ wooden construction	w/wo	MW	TR15	6	90g/m ² +/- 10%	3.0 kPa
Steel sheet	w/wo	EPS, PIR, PUR	TR40	4	60g/m ² +/- 10%	2.5 kPa
Reinforced concrete/ wooden construction	w/wo	EPS, PIR, PUR	TR40	3	45g/m ² +/- 10%	2.5 kPa
Steel sheet	w/wo	EPS, PIR, PUR	TR80	4	60g/m ² +/- 10%	3.5 kPa
Reinforced concrete/ wooden construction	w/wo	EPS, PIR, PUR	TR80	3	45g/m ² +/- 10%	3.5 kPa



Insulation boards (**MW, EPS, PIR, PUR**) bonded with INSTA-STIK™ ROOFING STD applied with the **Hose&Wand applicator** (bead diameter of 20-25mm):

Substrate	vapor barrier	Insulation		INSTA-STIK ROOFING™ STD H&W		
		type	TRi*	stripes	adhesive amount	min. design load
Steel sheet	w/wo	EPS, PIR, PUR	TR80	4	120g/m ² +/- 10%	5.5 kPa
Reinforced concrete/ wooden construction	w/wo	EPS, PIR, PUR	TR80	3	90g/m ² +/- 10%	5.5 kPa



* level of tensile strength according to EN 13162, EN 13163, EN 13165

Important hints: Above design load values contain a safety factor of 1,5. Please be aware that the applicable safety factor can differ due to different national appendixes of standards. In this guideline mentioned design loads are minimum values based on different product combinations bonded with INSTA-STIK™ ROOFING STD. In case higher design loads than the minimum values indicated in this document are requested tests need to be performed. For further information please contact your supplier. The wind up-lift tests are done in accordance with ETAG006.

Physical Properties

	Container	Unit	INSTA-STIK™ ROOFING STD		Method
			GMID	Cylinder	
				315601	
Color		–	Yellow	Visual	
Tack Free Time		min	9	FEICA TM1014	
Typical amounts with:					
1. INSTA-STIK™ LongBarrel Gun	11074345	g/m	15	EN ISO 845	
2. INSTA-STIK™ Hose & Wand Accessory	11074348	g/m	30	EN ISO 845	
3. INSTA-STIK™ Spray Applikator	11036931	g/m ²	80-100	EN ISO 845	
Tensile bond strength with XPS		kPa	>100	EN 1607	
German fire class		–	B2	DIN 4102-1	

Based on above referred methods, all values apply for non-aged adhesive, tested at 23°C, 50% r.h.

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