

Construction



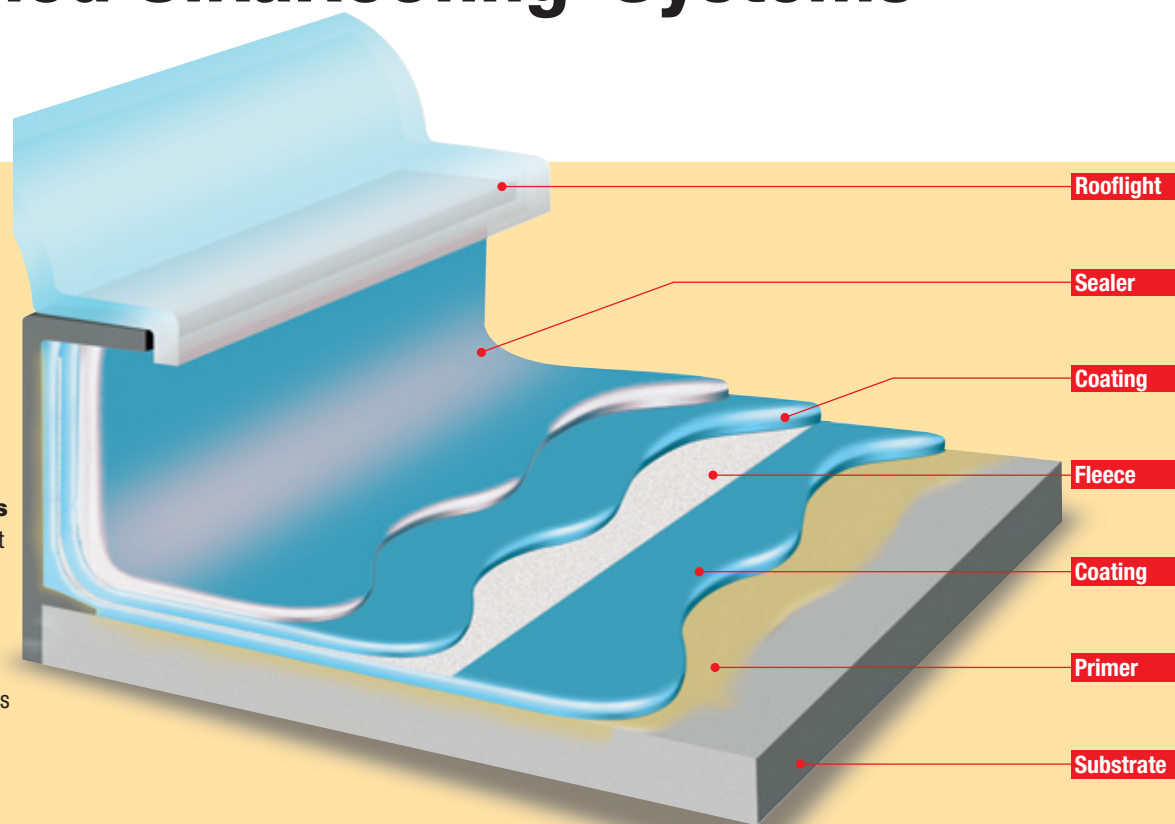
Roof Waterproofing Systems with Sikalastic® Liquid Applied Membrane

Sika®

Liquid Applied SikaRoofing® Systems

Durable waterproofing means preventing and stopping leaks especially around or over complex roofing details. Sika, the worldwide No. 1 in liquid polyurethane and preformed sheet membrane technology, is also your "one-stop-shop" for a reliable roof waterproofing solution. This can be with sheet membranes, liquid applied membranes or increasingly with combinations of both.

The new liquid applied **SikaRoof® Systems** are based on cold, hand-applied 1-component or machine-applied 2-component polyurethane resins, which cure and form seamless, fully bonded, homogeneous waterproof membranes. **SikaRoof® Systems** are used for both new and refurbishment works as full surface waterproofing, repairing, detailing and flashings. They are approved according to ETAG 005-06.



SikaRoof® Systems

Uses

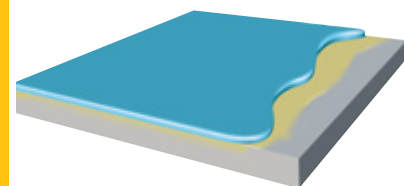
- **SikaRoof® Systems** can be applied on flat or pitched roofs in both new construction and refurbishment
- **SikaRoof® Systems** can be applied on different substrates on horizontal and vertical surfaces
- **SikaRoof® Systems** are for the "regulated" market required approval according to ETAG 005-06 with a defined system build-up and material thickness
- **SikaRoof® Systems** for the non-regulated market are applied with thinner layer thicknesses dependent on the other requirements
- The **SikaRoof® Systems** Flashing Kit is for detailing work and edge flashings, etc

Advantages

- Easy application by roller or spray equipment
- Mostly one-component systems
- Excellent weathering and UV resistance available
- High flexible build-up options
- Excellent penetration of the fleece reinforcement (**Sikalastic®-120** or **Sikalastic®-200**)
- Excellent adhesion on different substrates, i.e. bituminous felts, concrete, mortars, metals, exterior plywood and sheet membranes
- Full system compatibility

SikaRoof® Standard

ETA-05/0263



The standard system for moderate climates (**Sikalastic®-450** is yellowing under UV radiation but waterproofing is maintained).

Substrates

Concrete, cement screeds or rendering, exterior plywood, old PVC/TPO sheet membranes, bituminous felts, etc.

Primer

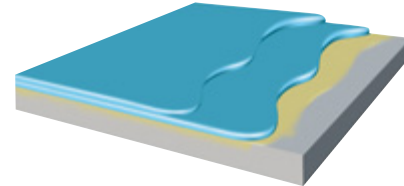
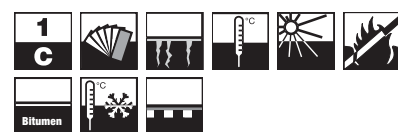
According to the Sikalastic primer chart.

Coating System

Sikalastic®-450 applied in 4 to 6 coats.

SikaRoof® Standard UV

ETA-05/0264



Upgraded system for moderate climates (with high UV radiation stability and coloured design possibilities).

Substrates

Concrete, cement screeds or rendering, exterior plywood, old PVC/TPO sheet membranes, bituminous felts, etc.

Primer

According to the Sikalastic primer chart.

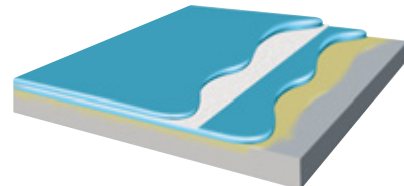
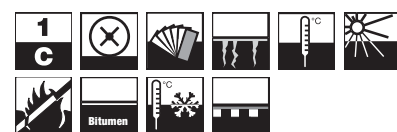
Coating System

Sikalastic®-450 applied in 4 to 6 coats.

UV protection and coloured top coat **Sikalastic®-445** in 1 or 2 coats.

SikaRoof® Professional UV

ETA-05/0265



High-performance, liquid membrane for application with or without Sikalastic fleece reinforcement dependent on the requirements.

Substrates

Concrete, cement screeds or rendering, exterior plywood, old PVC/TPO sheet membranes, bituminous felts, etc.

Primer

According to the Sikalastic primer chart.

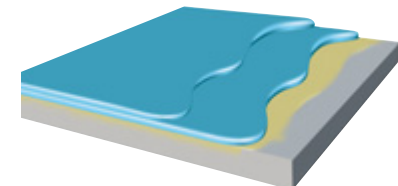
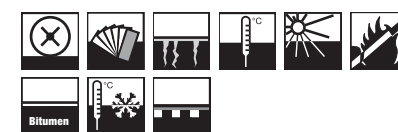
Coating System

Sikalastic®-445 Thixo applied in 2 coats.

Fleece Reinforcement

Sikalastic®-120 or **Sikalastic®-200** dependent on the requirements.

SikaRoof® Professional Plus



Professional spray-applied roofing system for large areas, with UV radiation stability and coloured design possibilities.

Substrates

Concrete, cement screeds or rendering, exterior plywood, old PVC/TPO sheet membranes, bituminous felts, etc.

Primer

According to the Sikalastic primer chart.

Coating System

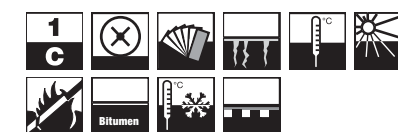
Sikalastic®-821 machine applied in a single coat.

Sikalastic®-821 LV for use on vertical areas.

UV protective top coat **Sikalastic®-445** applied in 1 or 2 coats.

SikaRoof® Flashing (Detailing)

ETA-05/0263



Professional detailing system for use in both vertical and horizontal applications.

Substrates

Concrete, cement screeds or rendering, exterior plywood, old PVC/TPO sheet membranes, bituminous felts, etc.

Primer

According to the Sikalastic primer chart.

Coating System

Sikalastic®-445 Thixo applied in 2 coats.

Fleece Reinforcement

Sikalastic®-120 or **Sikalastic®-200** dependent on the requirements.

Coloured Sealer/Top Coat

If other colours than RAL-7032 (light grey) are required, **Sikalastic®-445** + Extender T (1,5% pbw) can be used.

Project-related Requirement Symbols

- 1 C** The product consists of one component only. It has to be thoroughly mixed prior to the application!
- The mechanical resistance is suitable for exposure to pedestrians and light-wheeled traffic.
- Multiple colour shades available.
- Crack-bridging capability.
- Thermal shock resistant, i.e. will not be damaged by extended or rapid thermal exposure from ice, hail or rain and direct sunlight.
- UV resistance and resistant to yellowing.
- Fire-resistant.
- Compatible with bituminous felts.
- Low temperature resistant.
- Fully bonded to the substrate.
- Resistant to wind uplift.

Roof Waterproofing Systems with Sikalastic® Liquid Applied Membrane

System	Product	Pack size	For m ²	Remarks: ETAG 005-06 approved systems
System thickness (ETAG)				
SikaRoof® Standard 1.4 – 1.6 mm	Sikalastic®-450	7 kg	4	ETAG 1.5 mm / 6 layers
	Sikalastic®-450	21 kg	12	ETAG 1.5 mm / 6 layers
SikaRoof® Standard UV 1.6 – 1.8 mm	Sikalastic®-450	7 kg	6	ETAG 1.0 mm / 4 layers
	Sikalastic®-450	21 kg	18	ETAG 1.0 mm / 4 layers
	Sikalastic®-445	6 kg	3	ETAG 0.5 mm / 1 layer
	Sikalastic®-445	18 kg	6	ETAG 0.5 mm / 1 layer
SikaRoof® Professional UV 1.6 – 2.0 mm	Sikalastic®-445/-445 Thixo	6 kg	1.5	ETAG 1.0 mm / 1 layer
	Sikalastic®-445/-445 Thixo	18 kg	4	ETAG 1.0 mm / 1 layer
	Sikalastic®-120/-200 fleece	1 m/50 m	50	200 g fleece
		0.3 m/50 m	15	regulated market
	Sikalastic®-445/-445 Thixo	6 kg	3	ETAG 0.5 mm / 1 layer
Sikalastic®-445/-445 Thixo	18 kg	6	ETAG 0.5 mm / 1 layer	
SikaRoof® Professional Plus 1.8 – 2.0 mm	Sikalastic®-821	1000 kg	250	ETAG 2 mm / 1 layer
	Sikalastic®-445	6 kg	30	ETAG 0.2 mm / 1 layer
	Sikalastic®-445	18 kg	80	ETAG 0.2 mm / 1 layer
SikaRoof® Flashing Kit 1.8 – 2.2 mm	Sikalastic®-445 Thixo	6 kg	1.5	ETAG 1.0 mm / 1 layer
	Sikalastic®-445 Thixo	18 kg	4	ETAG 1.0 mm / 1 layer
	Sikalastic®-120/-200 fleece	0.3 m/50 m	15	200 g fleece regulated market
	Sikalastic®-445/-445 Thixo	6 kg	3	ETAG 0.5 mm / 1 layer
	Sikalastic®-445/-445 Thixo	18 kg	6	ETAG 0.5 mm / 1 layer
Sikalastic® Primer	Dependent on substrate and profile	Refer to PDS		

For the “non-regulated” market, use of **Sikalastic®-120** fleece, and the system thickness is about 0.2 mm less.

Also available from Sika



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Your local Sika Company

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