

FICHA DE DADOS DE SISTEMA

SikaRoof® i-Cure-15

Low odour UV-stable polyurethane liquid applied roof waterproofing system – 1.5 mm

DESCRIÇÃO DO PRODUTO

SikaRoof® i-Cure-15 is a low odour, cold-applied, fabric reinforced, polyurethane liquid applied membrane roof waterproofing system. The system is highly elastic and UV-stable which provides a durable waterproofing solution. It incorporates Sika's unique i-Cure technology.

UTILIZAÇÕES

SikaRoof® i-Cure-15 só pode ser usado por profissionais experientes.

The product can be used for the following roof waterproofing applications:

- New construction and refurbishment projects
- Roofs with numerous details such as penetrations, drains, roof lights and complex geometry
- Failing roofs to extend the service life
- Cool and solar roofs when used in combination with Sikalastic®-641 TC (~ RAL 9016)
- Sensitive areas requiring low odour

The product can be used on the following substrates:

- Aluminium
- Brass
- Bitumen sheet membranes
- Bituminous coatings
- Bricks
- Cementitious
- Concrete slabs
- Copper
- Existing Sikalastic® MTC System
- Galvanised steel
- Lead
- Ferrous metals
- Paints/Coatings
- Single ply polymeric sheeting
- Stainless steel
- Stone
- Unglazed ceramic tiles
- Wood

Please note:

- The System may only be used for exterior applications.
- The product is not suitable for permanent water immersion.

CARACTERÍSTICAS / VANTAGENS

- The low odour characteristics makes the system suitable for odour sensitive projects
- The fast curing provides early resistance to rain damage almost immediately on application
- A maintenance coat is easily applied when needed without the requirement to remove previous coats
- Thickness: ~1.5 mm
- Cold applied - requires no heat or flame
- Seamless finish
- Easily detailed around complex geometries
- Reinforced with Sika® Reemat Premium
- Good crack-bridging ability at low temperatures
- Retains flexibility at low temperatures
- Good adhesion to many substrates
- Vapour permeable
- Resistant to many common environmental influences

CERTIFICADOS / NORMAS

- CE Marking and Declaration of Performance to European Technical Assessment ETA-14/0177, based on ETAG 005 Part 1 and Part 6 — Liquid applied roof waterproofing kits. Part 1: General. Part 6: Specific stipulations for Kits based on Polyurethane
- Fire testing EN 13501, Sikalastic®-641, Sikalastic®-631, Exova, Report No. WF 406986, WF 406987
- Fire Testing EN 13501-5, Sikalastic®-641, Sikalastic®-631, BRE, Report No.Q100348-1002 Issue 1 Q100348-1005 Issue 2
- Fire Testing BS 476, Sikalastic®-641, Sikalastic®-631, BRE, Report No.Q100348-1000 Issue 1, Q100348-1003 Issue 2
- Fire testing BS EN ISO 11925-2, Sikalastic®-641, Sikalastic®-631, Exova, Report No. 405551, 405552

- Fire Testing CEN/TS 118, Sikalastic®-641, Sikalastic®-631, BRE, Report No.Q100348-1001 Issue 1, Q100348-1004 Issue 2
- Annual QA sensory testing EN 13725, Sikalastic®-641, Sikalastic®-631, olfasense, Report No. SIKa21A0_01
- Water Vapour Transmission EN 1931, SikaRoof® i-Cure-15, 4ward, Report No. 2165

INFORMAÇÃO DO SISTEMA

Estrutura do sistema

SikaRoof® i-Cure-15

Layer	Product	Consumption
1. Primer	Contact Sika Technical Services for advice on primer selection	Refer to individual Product Data Sheet
2. Base coat	Sikalastic®-631 BC	≥ 1,0 l/m ² (≥ 1,4 kg/m ²)
3. Reinforcement	Sika® Reemat Premium	-
4. Top coat	Sikalastic®-641 TC	≥ 0,75 l/m ² (≥ 1,0 kg/m ²)

IMPORTANT

The system structure layers as described in table must not be changed.
 Note:These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Base química

Aromatic & aliphatic polyurethanes

Cor

Sikalastic®-631 BC: Oxide Red (~RAL 3011) Sikalastic®-641 TC: Slate Grey (~RAL 7015), Shale Grey (~RAL 8500), Cloud Grey (~RAL7045), Traffic White (~RAL 9016).
 Other colours available upon request.

Espessura de camada seca

~1.5 mm

Desempenho do sistema

W2 / M and S / P3 to P4 / S1 to S4 / TL3–TL4

DADOS TÉCNICOS

Substrato

Substrate	Primer
Cementitious	Sika® Concrete Primer
Brick, Stone	Sika® Concrete Primer
Concrete slabs, Unglazed ceramic tiles	Sika® Concrete Primer
Bitumen sheet membrane, Bituminous coatings	Sikalastic® Metal Primer N
Aluminium, Brass, Copper, Galvanized steel, Lead, Ferrous metal, Stainless steel	Sikalastic® Metal Primer N
Wood	Timber based roof decks require a complete layer of Sikalastic® Carrier. For small exposed timber sections: Sika® Concrete Primer
Paints / Coatings	Subject to adhesion and compatibility tests
Existing Sikalastic® MTC System	Sika® Reactivation Primer
Single ply polymeric membranes	Consult Sika Technical Services

Note:For the primer consumption rates and waiting time / overcoating, refer to the appropriate Product Data Sheet.

Note:Other substrates must be tested for their compatibility. If in doubt, apply a test area first.

Ficha de Dados de Sistema

SikaRoof® i-Cure-15
 Dezembro 2024, Versão 04.02
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Resistência à tração	~18.1 N/mm ²	(EN ISO 527-3)
Alongamento à rotura	~16 %	(EN ISO 527-3)
Resistência ao rasgão	~28.8 N/mm	
Resistência química	Sikalastic®-641 TC provides the chemical resistance. Refer to Product Data Sheet.	
Índice de Reflectância Solar	≥ 108 Value refers to the initial (properly cured, non-weathered) condition of Sikalastic®-641 TC white (~RAL 9016).	
Temperatura de serviço	-20 °C min. / +90 °C max.	

INFORMAÇÃO DE APLICAÇÃO

Temperatura ambiente	+5 °C min. / +35 °C max.			
Humidade relativa do ar	20 % r.h. min. / 85 % r.h. max.			
Ponto de Orvalho	Beware of condensation. The substrate and uncured applied layers must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the membrane finish.			
Temperatura da base	+5 °C min. / +60 °C max.			
Teor da humidade da base	The system can be installed on substrates with a moisture content of ≤ 4 % part by weight. The substrate must be visibly dry with no standing water. The following test methods can be used to determine the substrate moisture content: <ul style="list-style-type: none"> ▪ Sika®-Tramex meter ▪ CM-measurement ▪ Oven-dry-method No rising moisture according to ASTM (Polyethylene-sheet).			
Tempo de espera / Repintura	Sikalastic®-641 TC on Sikalastic®-631 BC:			
	Ambient conditions	Minimum waiting time		
	+5 °C / 50 % r.h.	~14 hours		
	+10 °C / 50 % r.h.	~6–8 hours		
	+20 °C / 50 % r.h.	~4 hours		
	+30 °C / 50 % r.h.	~3 hours		
	Note:After four days the surface of Sikalastic®-631 BC must be cleaned and primed with Sika® Reactivation Primer before applying Sikalastic®-641 TC. Note:Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			
Produto aplicado pronto para usar	Ambient conditions	Rain resistant	Touch dry	Full cure
	+5 °C / 50 % r.h.	~1 hour	~10–12 hours	~24 hours
	+10 °C / 50 % r.h.	~1 hour	~6–8 hours	~18–24 hours
	+20 °C / 50 % r.h.	~1 hour	~4–6 hours	~12–18 hours
	+30 °C / 50 % r.h.	~1 hour	~3–5 hours	~8–12 hours
	Note:After application, the product must be protected from heavy rain or rain showers until dry to prevent surface damage. Note:Application at higher than recommended film thicknesses may result in a prolonged “soft” texture to the coating. This will eventually cure. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			

VALOR BASE

Todos os dados técnicos referidos nesta Ficha de Produto são baseados em ensaios laboratoriais. Resultados obtidos noutras condições podem divergir dos apresentados, devido a circunstâncias que não podemos controlar.

OBSERVAÇÕES

Installation work must only be carried out by Sika trained and approved contractors, experienced in this type of application.

- Do not apply on substrates with rising moisture.
- Do not apply on porous substrates where significant moisture vapour transmission (out-gassing) will occur during application. Applying Sikalastic® Primer may assist with reducing or eliminating this effect.
- Do not dilute the system products with any diluents. Do not apply close to running air conditioning unit intake vents. Switch off units and seal intakes before applying.
- Do not apply Product directly on Sikalastic® Insulation boards. Use Sikalastic® Carrier between Sikalastic® Insulation board and Product.
- Volatile bituminous materials may stain and or soften the Product layers.
- Areas with high movement, irregular substrates, or timber-based roof decks require a complete layer of Sikalastic® Carrier applied before application of roof membrane system.
- Do not apply cementitious products (e.g. tile mortar) directly onto the system.

ECOLOGIA, SAÚDE E SEGURANÇA

Os utilizadores devem ler a versão mais atualizada das Fichas de Dados de Segurança (FDS) correspondentes antes de utilizar qualquer produto. As Fichas de Dados de Segurança fornecem informações e recomendações sobre o manuseamento, armazenamento e eliminação segura de produtos químicos e contêm dados físicos, ecológicos, toxicológicos e outros dados relacionados com a segurança.

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