

FICHA DE DADOS DO PRODUTO

Sikafloor®-263 SL N

Epoxy self-smoothing resin floor coating

DESCRIÇÃO DO PRODUTO

Sikafloor®-263 SL N is a 2-part epoxy coloured self-smoothing coating that can provide a hard wearing, seamless, low maintenance, smooth gloss finish or slip resistant finish when broadcast with different aggregate grades.

UTILIZAÇÕES

Sikafloor®-263 SL N só pode ser usado por profissionais experientes.

The Product is used as a:

- Self smoothing wearing coating and slip resistant coating on concrete and cementitious screed substrates

Please note:

- The Product may only be used by experienced professionals.
- The Product may only be used for interior applications.

CARACTERÍSTICAS / VANTAGENS

- Good mechanical resistance
- Good impact resistance
- Low maintenance
- Optional surface profiles slip resistant or smooth
- Seamless and hygienic

INFORMAÇÃO AMBIENTAL

- Conforms with LEED v4 EQ credit: Low-emitting materials
- Conforms with LEED v4 MR credit: Building product disclosure and optimization — Environmental Product Declarations (option 1)
- Conforms with LEED v4 MR credit: Building product disclosure and optimization — Material ingredients (option 2)
- Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by Institut für Bauen und Umwelt e.V. (IBU)

CERTIFICADOS / NORMAS

- Particle emission ISO 14644-1, CSM Statement of Qualification, Sikafloor®-263 SL
- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating
- CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material

DADOS DO PRODUTO

Base química	Solvent free epoxy	
Fornecimento	Container Part A	15.8 kg
	Container Part B	4.2 kg
	Container Part A + Part B	20 kg ready to mix units
	Drum Part A	220 kg drums
	Drum Part B	177 kg, 59 kg drums
	Packaging Drum Part A + Part B	1 Drum Part A (220 kg) + 1 drum Part B (59 kg) = 279 kg 3 Drums Part A (220kg) + 1 drum Part B (177 kg) = 837 kg
Refer to the current price list for available packaging variations.		
Aspecto / Cor	Part A	coloured, liquid
	Part B	transparent, liquid
	Cured appearance	gloss finish
	Almost unlimited choice of colours. Note: Colour deviations may occur due to filling with quartz sand or carbon fibre filaments. Exposure to direct sunlight Note: When the product is exposed to direct sunlight, there may be some discolouration and colour variation. This has no influence on the function and performance of the coating.	
Tempo de armazenamento	24 months from date of production	
Armazenagem e conservação	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Massa volúmica	Part A	~1.50 kg/l
	Part B	~1.00 kg/l
	Mixed Product	~1.44 kg/l
Teor de sólidos em peso	~100 %	
Teor de sólidos em volume	~100 %	

DADOS TÉCNICOS

Dureza Shore D	Cured 7 days at +23 °C	~76	(EN ISO 868)
Resistência à abrasão	Cured 7 days at +23 °C	~35 mg (CS 10 / 1000 / 1000)	(EN ISO 5470-1)
Resistência à compressão	Cured 28 days at +23 °C	~50 N/mm ² (Resin filled 1:0,9 with quartz sand 0,1-0,3 mm) (28 days / +23 °C)	(EN 13892-2)
Resistência à flexão	Cured 28 days at +23 °C	~22 N/mm ² (Resin filled 1:0,9 with quartz sand 0,1-0,3 mm)	(EN 13892-2)
Tensão de aderência	> 1.5 N/mm ² (failure in concrete)		(EN 1542)

No simultaneous mechanical and chemical strain

While the product is exposed to temperatures up to +60 °C, do not also subject it to either chemical or mechanical strain, as it may cause damage to the product.

INFORMAÇÃO SOBRE A APLICAÇÃO

Proporção da mistura	Part A : Part B (by weight)	79 : 21 (by weight)		
Consumo	Filled	~1.6–1.9 kg/m² per mm thickness		
Temperatura de serviço	Minimum	+10 °C		
	Maximum	+30 °C		
Temperatura ambiente	Minimum	+10 °C		
	Maximum	+30 °C		
Humidade relativa do ar	Maximum	80 %		
Ponto de Orvalho	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.			
Temperatura da base	Minimum	+10 °C		
	Maximum	+30 °C		
Teor da humidade da base	Please refer to the product datasheet of the individual epoxy primer.			
Tempo de vida útil da mistura (pot-life)	+10 °C	~60 minutes		
	+20 °C	~30 minutes		
	+30 °C	~15 minutes		
Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.				
Tempo de espera / Repintura	Before applying non-solvented products on Sikafloor®-263 SL N allow:			
	Temperature	Minimum	Maximum	
	+10 °C	~30 hours	~3 days	
	+20 °C	~24 hours	~48 hours	
	+30 °C	~16 hours	~24 hours	
Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.				
Produto aplicado pronto para usar	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	~30 hours	~6 days	~10 days
	+20 °C	~24 hours	~4 days	~7 days
	+30 °C	~16 hours	~2 days	~5 days
Note: Times apply when the last layer of the system has been applied. Times are 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.

OUTROS DOCUMENTOS

- Sika® Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika® Method Statement: Mixing and application of flooring systems

ECOLOGIA, SAÚDE E SEGURANÇA

Para informação e aconselhamento sobre o manuseamento seguro, armazenamento e eliminação de produtos químicos, os utilizadores devem consultar as respectivas Fichas de Dados de Segurança (FDS) mais recentes contendo os dados físicos, ecológicos, toxicológicos e outros relacionados com a segurança.

INSTRUÇÕES DE APLICAÇÃO

EQUIPAMENTO

MIXING EQUIPMENT

- Electric double paddle mixer (> 700 W, 300 to 400 rpm)

APPLICATION EQUIPMENT

- Trowels, including serrated

QUALIDADE DA BASE

IMPORTANT

Incorrect treatment of cracks

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

TREATMENT OF JOINTS AND CRACKS

Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

SUBSTRATE CONDITION

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1.5 N/mm².

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

PREPARAÇÃO DA BASE

MECHANICAL SUBSTRATE PREPARATION

IMPORTANT

Exposing blow holes and voids

When mechanically preparing the surface, make sure to fully expose blow holes and voids.

1. Remove weak cementitious substrates.
2. Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment to remove cement laitance.
3. Before applying thin layer resins, remove high spots by grinding.
4. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.
5. Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids.

Contact Sika® Technical Services for additional information on products for levelling and repairing defects.

SUBSTRATE PREPARATION OF NON-CEMENTITIOUS SUBSTRATES

For information on substrate preparation of non-cementitious substrates, contact Sika technical services.

MISTURA

SELF-SMOOTHING WEARING LAYER MIXING PROCEDURE

1. Mix Part A (resin) until the coloured pigment is dispersed and a uniform colour is achieved.
2. Add Part B (hardener) to Part A.
3. While mixing Parts A + B, gradually add the required filler or aggregates.
4. **IMPORTANT** Over mixing must be avoided to minimise air entrainment. Mix for a further 2 minutes until a uniform mix is achieved.
5. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
6. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APLICAÇÃO

IMPORTANT

Protect from moisture

After application, protect the Product from damp, condensation and direct water contact for at least 24 hours.

IMPORTANT

Seal coat adhesion

Sikafloor®-304 W, Sikafloor®-305 W, Sikafloor®-316 or Sikafloor®-2540 W will not gain sufficient adhesion to the Product without proper preparation

1. Abrade the surface with a red or black Scotch Brite pad or sand paper No 120
2. Clean the prepared surface by industrial vacuum prior to applying the seal coat

IMPORTANT

Temporary moisture barrier

If the substrate moisture content measured with the CM-method is > 4% by weight, apply a temporary moisture barrier consisting of Sikafloor® EpoCem®.

1. Contact Sika technical services for more information.

IMPORTANT

No application on rising moisture

Do not apply on substrates with rising moisture.

IMPORTANT

Blinding the primer

Rising vapour from within the substrate can cause blisters and other surface defects in the Product.

1. Do not blind the primer with aggregate to form a mechanical key

IMPORTANT

Ensuring consistent colour matching

For consistent colour matching, make sure the Product in each area is applied from the same control batch numbers.

IMPORTANT

Temporary heating

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For heating, use only electric powered warm air blower systems.

SELF-SMOOTHING WEARING LAYER APPLICATION

1. Pour the mixed Product onto the substrate.

Note: The consumption is specified in Application Information.

2. Apply the Product evenly over the surface with a serrated trowel.
3. Back roll the surface in two directions at right angles with a spike roller.

Note: Maintain a "wet edge" during application to achieve a seamless finish.

SLIP-RESISTANT BROADCAST LAYER

1. Pour the mixed Product onto the prepared substrate.
2. Apply the Product evenly over the surface with a trowel.
3. Back roll the surface in two directions at right angles with a spike roller.

4. Allow the product to cure for 15 minutes.

Note: Times are temperature dependant. Times given are for +20 °C.

5. Broadcast the surface with quartz sand or silicon carbide, lightly at first, then to excess.

Note: The aggregate is dependant on the system build-up. Refer to the relevant System Data Sheet.

6. Allow the surface to become tack free.
7. Remove all loose sand with industrial vacuuming equipment.

LIMPEZA DE FERRAMENTAS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically.

RESTRIÇÕES LOCAIS

Por favor, ter em atenção que o desempenho deste produto poderá variar ligeiramente de país para país, em função dos parâmetros regulamentares específicos de cada local. Por favor, consultar a Ficha de Produto para a descrição completa dos campos de aplicação.

NOTA LEGAL

A informação e em particular as recomendações relacionadas com aplicação e utilização final dos produtos Sika são fornecidas em boa fé e baseadas no conhecimento e experiência dos produtos sempre que devidamente armazenados, manuseados e aplicados em condições normais, de acordo com as recomendações da Sika. Na prática, as diferenças no estado dos materiais, das superfícies, e das condições de aplicação em obra, são de tal forma imprevisíveis que nenhuma garantia a respeito da comercialização ou aptidão para um fim em particular nem qualquer responsabilidade decorrente de qualquer relacionamento legal poderão ser inferidas desta informação, ou de qualquer recomendação por escrito, ou de qualquer outra recomendação dada. O produto deve ser ensaiado para aferir a adequabilidade do mesmo à aplicação e fins pretendidos. Os direitos de propriedade de terceiros deverão ser observados. Todas as encomendas aceites estão sujeitas às nossas condições de venda e de entrega vigentes. Os utilizadores deverão sempre consultar a versão mais recente da nossa Ficha de Produto específica do produto a que diz respeito, que será entregue sempre que solicitada.

SIKA ANGOLA (SU), LDA

Travessa Mota & Companhia - Zona
Industrial de Kikuxi - Apartado 135 -
Viana
Industrial de Kikuxi - Apartado 135 -
Viana
Phone : + 244935111049

Ficha de Dados do Produto

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