

SCHEDA DATI PRODOTTO

Sikafloor®-2530 W

2-PART WATER BASED EPOXY COATING

DESCRIZIONE DI PRODOTTO

Sikafloor®-2530 W is a two part, water dispersed, coloured, epoxy resin based coating for flooring applications.

IMPIEGHI

Sikafloor®-2530 W può essere utilizzato esclusivamente da professionisti in possesso di un adeguato livello di capacità ed esperienza.

Sikafloor®-2530 W is used as:

- Coloured epoxy coating for concrete, cement screeds, broadcast systems and epoxy mortars
- Can be subjected to normal up to medium heavy mechanical and chemical loading
- For production areas, warehouses, car park decks, garages, etc.

CARATTERISTICHE / VANTAGGI

- Good chemical and mechanical resistance
- Water vapour permeable
- Water dilutable
- Odourless
- Easy application

INFORMAZIONI DI PRODOTTO

Base chimica	Epoxy, waterborne	
Imballaggio	Part A	4.2 kg and 12.6 kg containers
	Part B	1.8 kg and 5.4 kg containers
	Part A+B	6.0 kg and 18 kg ready to mix units

SOSTENIBILITÀ

- Conformity with LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations
- Conformity with LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization - Material Ingredients
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

CERTIFICAZIONI / NORMATIVE

Water based epoxy seal coating according to EN 1504-2: 2004 and EN 13813:2002, DoP 02 08 01 02 024 0 000001 1029 , certified by Factory Production Control Body No. 0921 and provided with the CE-mark

Aspetto / Colore

Resin - part A:

coloured, liquid

Hardener - part B

transparent, liquid

Available in various colour shades.

With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-2530 W to achieve full opacity (hiding power).

Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.

Durata di conservazione

12 months from date of production

Condizioni di immagazzinamento

The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Densità

Part A

~ 1.28 kg/l

(DIN EN ISO 2811-1)

Part B

~ 1.09 kg/l

Mixed resin

~ 1.22 kg/l

All Density values at +23 °C.

Contenuto di solidi in peso

~55 %

Contenuto di solidi in volume

~43 %

INFORMAZIONI TECNICHE**Resistenza all'abrasione**

62 mg (CS 10/1000/1000) (14 days / +23°C) (DIN 53 109)(Taber Abrader Test)

Resistenza chimica

Resistant to many chemicals. Contact Sika technical service for specific information.

Resistenza termica**Exposure*****Dry heat**

Permanent

+50 °C

Short-term max. 7 d

+80 °C

Short-term max. 8 h

+100 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasional (steam cleaning etc.).

*No simultaneous chemical and mechanical exposure and only in combination with Sikafloor® systems as a broadcast system with approx. 3–4 mm thickness.

INFORMAZIONI DI SISTEMA**Sistemi**

Please refer to the system data sheet of :

Sikafloor® Multidur WS-11

Double water based epoxy roller coat

Sikafloor® Multidur WT-11

Double water based epoxy textured roller coat

INFORMAZIONI PER L'APPLICAZIONE**Rapporto di miscelazione**

Part A : part B = 70: 30 (by weight)

Consumo~0.2–0.3 kg/m² applied as a roller coating

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

For detailed info, please refer to the System data sheet Sikafloor® Multidur WS-11 and Sikafloor® Multidur WT-11.

Temperatura ambiente

+10 °C min. / +30 °C max.

Umidità relativa dell'aria

80 % r.h. max.

Punto di rugiada

Beware of condensation!

The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.

Note: Low temperatures and high humidity conditions increase the probability of blooming.

Temperatura del substrato / supporto +10 °C min. / +30 °C max.

Contenuto di umidità del substrato / supporto < 6 % pbw moisture content.
Test method: Sika®-Tramex meter, CM-measurement or Oven-dry-method.
No rising moisture according to ASTM (Polyethylene-sheet).

Tempo di lavorabilità	Temperature	Time
	+10 °C	~ 150 minutes
+20 °C	~ 120 minutes	
+30 °C	~ 60 minutes	

Tempo di indurimento	Before overcoating Sikafloor®-2530 W allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	48 hours	7 days
	+20 °C	20 hours	5 days
	+30 °C	10 hours	3 days

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

ISTRUZIONI PER L'APPLICAZIONE

QUALITÀ DEL SUBSTRATO / SUPPORTO / PRETRATTAMENTO

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MISCELAZIONE

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.

Over mixing must be avoided to minimise air entrainment.

Mixing Tools:

Sikafloor®-2530 W must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICAZIONE

Prior to application, confirm substrate moisture content, relative air humidity and dew point.

If > 6 % pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Primer:

Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. When used as a primer always apply by brush.

Seal coat:

Sikafloor®-2530 W is spread evenly by means of a short pile roller.

A seamless finish can be achieved if a "wet" edge is maintained during application.

Uneven application of the material and resulting differences in the coating layer thicknesses may cause differences in "gloss" of the surface.

PULIZIA DEGLI ATTREZZI

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

MANUTENZIONE

To maintain the appearance of the floor after application, Sikafloor®-2530 W must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

ULTERIORI DOCUMENTI

Substrate quality & Preparation

Please refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".

Application instructions

Please refer to Sika Method Statement: "MIXING & APPLICATION OF FLOORING SYSTEMS".

Maintenance

Please refer to "Sikafloor®- CLEANING REGIME".

LIMITAZIONI

- Do not apply Sikafloor®-2530 W on substrates with rising moisture.
- Freshly applied Sikafloor®-2530 W should be protected from damp, condensation and water for at least 24 hours.
- Always ensure adequate fresh air ventilation when using Sikafloor®-2530 W in confined spaces to avoid curing problems.
- The “gloss” of the finish can vary with temperature, humidity and the absorbency of the substrate
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-2530 W in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

VALORI BASE

Tutti i dati tecnici riportati in questa Scheda Dati Prodotto sono basati su test di laboratorio. I dati di misurazione effettiva possono variare a causa di circostanze al di fuori del nostro controllo.

RESTRIZIONI LOCALI

A seconda delle normative specifiche locali le prestazioni di questo prodotto possono variare da Paese a Paese. Si prega di consultare la Scheda Dati Prodotto locale per la descrizione esatta dei campi di applicazione.

ECOLOGIA, SALUTE E SICUREZZA

Per informazioni e consigli sulla manipolazione sicura, lo stoccaggio e lo smaltimento di prodotti chimici, l'utente deve far riferimento alla più recente Scheda di Sicurezza, contenente i dati fisici, ecologici, tossicologici ed altri dati relativi in tema di sicurezza.

DIRETTIVA 2004/42/CE - LIMITAZIONE DI EMISSIONI DI VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / j type wb) is 140 g/l (Limits 2010) for the ready to use product.

The maximum content of Sikafloor®-2530 W is ≤ 140 g/l VOC for the ready to use product.

NOTE LEGALI

Le informazioni e, in particolare, le istruzioni relative all'applicazione e all'uso finale dei prodotti Sika sono fornite in buona fede in base alle conoscenze ed all'esperienza attuale di Sika sui prodotti a condizione che gli stessi vengano adeguatamente immagazzinati, movimentati ed utilizzati in condizioni normali ed osservando le raccomandazioni di Sika. Nella pratica, le differenze di materiale, substrati e reali condizioni del luogo sono così varie che non può essere rilasciata alcuna garanzia per la commerciabilità o l'idoneità per uno scopo particolare, allo stesso modo nessuna responsabilità derivante da qualsiasi rapporto giuridico può essere dedotta da queste informazioni, da qualsiasi raccomandazione scritta o da ogni altra consulenza prestata. L'utente deve testare l'idoneità del prodotto per l'applicazione prevista e la relativa finalità. Sika si riserva il diritto di modificare le proprietà dei suoi prodotti. Devono essere rispettati i diritti di proprietà di terzi. Tutti gli ordini vengono accettati alle nostre vigenti condizioni di vendita e consegna. Gli utilizzatori devono fare sempre riferimento alla versione più recente della locale scheda tecnica relativa al prodotto in questione, le cui copie verranno fornite su richiesta.

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SISTEMA DI GESTIONE
QUALITA'
UNI EN ISO 9001:2008
CERTIFICATO DA
CERTIQUALITY
N. 951

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