

# Sikafloor® 2530W

## Heavy-Duty Epoxy Coating for Interior Concrete

<b>Description</b>	Sikafloor® 2530W is a two-part, water-based, solvent-free, coloured, epoxy resin coating.									
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>■ As a coloured seal coat for concrete, cement screeds and repaired floors in garages.</li> <li>■ As a coating for light and medium use floors and walls in production, maintenance and warehousing areas</li> <li>■ As a coloured seal coat for concrete floors and walls in basements, laundry rooms and workshops.</li> </ul>									
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Easy application.</li> <li>■ Solvent-free and odourless.</li> <li>■ Supplied as self-contained kit</li> <li>■ Good chemical and mechanical resistance.</li> <li>■ Economical coating.</li> <li>■ Easily cleaned and maintained.</li> </ul>									
<b>Technical Data</b>										
<b>Packaging</b>	Kit:									
	Part A Resin (White liquid):	2 X 1.6 L (0.4 US gal.)								
	Part B Hardener (Tinted liquid):	2 X 1.6 L (0.4 US gal.)								
	Part C (Dry Sand):	2 kg (4.4 lbs)								
<b>Chemical Base</b>	Water-Dispersed Epoxy.									
<b>Colour</b>	Aluminum Grey and Sandstone Others colors available on demand									
<b>Yield</b>	Kit: 37.2 m <sup>2</sup> (400 ft <sup>2</sup> ) if one coat is applied 18.6 m <sup>2</sup> (200 ft <sup>2</sup> ) if two coats are applied Two coats are recommended for uniform and higher quality finish Coverage is dependent upon surface porosity and profile. Allowance should be made for waste.									
<b>Shelf Life</b>	12 months in original, unopened and undamaged packaging. Store dry at between 5°C (41°F) and 30°C (86°F). Protect from freezing. If frozen, discard									
<b>Mixing Ratio</b>	Weight	1 kg A + 1.3 kg B								
	Volume	Volume 1 ltr A + 1 ltr B								
<b>Properties at 23°C (73°F) and 50% R.H.</b>										
<b>Specific Gravity</b>	Mixed Resin:	1.23 kg/L (10.18 lb/US gal.)								
<b>Pot Life</b>	80 - 90 minutes									
<b>Abrasion Resistance:</b> 500 cycles/1000 g/cs-17	-0.09 g/500 cycles/1000 g									
<b>Chemical Resistance</b>	<ul style="list-style-type: none"> <li>■ Sodium chloride 10 %</li> <li>■ Ammonium sulphate 5 %</li> <li>■ Calcium chloride 10 %</li> <li>■ Ammoniac 10%</li> <li>■ Glycerin</li> </ul>	<ul style="list-style-type: none"> <li>■ Benzene</li> <li>■ Gas/Petroleum</li> <li>■ Fuel</li> <li>■ Lubricants</li> <li>■ Disinfectants</li> </ul>								
<b>Thermal Resistance</b>	<table border="1" style="width: 100%;"> <tr> <td>Exposure*</td> <td>Dry heat</td> </tr> <tr> <td>Permanent</td> <td>50°C (122°F)</td> </tr> <tr> <td>Short-term max. 7 days</td> <td>80°C (176°F)</td> </tr> <tr> <td>Short-term max. 8 hrs</td> <td>100°C (212°F)</td> </tr> </table>		Exposure*	Dry heat	Permanent	50°C (122°F)	Short-term max. 7 days	80°C (176°F)	Short-term max. 8 hrs	100°C (212°F)
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	Short-term moist/wet heat* up to 80°C (176°F) where exposure is only occasional. *No simultaneous chemical and mechanical exposure.									

### How to Use

#### Surface Preparation

The concrete must be clean, dry and free of contaminants such as oil or grease, laitance, dirt, wax or any other foreign matter. Before applying the coating, remove any dust and loose material from the surfaces to be coated. If the concrete has previously been painted, it is important to remove the old paint using mechanical means, such as water blast, grinding or sanding. To subsequently clean the prepared surfaces and achieve improved results once all paint has been removed, the use of Sika® Prep-A cleaner (See Product Data Sheet at [www.sika.ca](http://www.sika.ca)) is recommended. The resultant floor must be sound, clean, dry and, preferably, have a medium sandpaper texture. Cracks must first be filled with Sika Anchorfix®-1 and/or Sikadur® Crack Fix, the selection of which is dependent upon crack width (for thin and deep cracks, use Sikadur® Crack Fix as it will structurally bond the cracks. For larger cracks a nice finish, use Sika Anchorfix®-1). If required, the concrete should be repaired using Sika® Repair SHB 5 & 20 kg and/or Sika® Mix&Go 1.25 kg repair mortars, the selection again based upon installation conditions. Application of Sikafloor® 2530W should take place only after the repair mortar, which should be trowelled to a suitably flat level and finished to an open, fine textured surface[not smooth], has been allowed to cure for a minimum of 24 hours. In the case of new concrete, prepare the surface using Sika® Prep-A cleaner in order to ensure a laitance free and sound surface.



## Mixing

**Warning: Be sure to mix Part A with Part B. Do not mix 2 Part A or 2 Part B together!  
It is essential to precisely carry out the following mixing instructions:**

Thoroughly stir Part B and pour the contents into the square pail. Thoroughly stir Part A and pour half of the contents of its container into the emptied Part B container and then thoroughly mix to combine the half measure of Part A with the remaining Component B resin. Pour the mixed material into the square pail. Repeat this step, if necessary; otherwise, simply pour the remaining Component A product into the square pail. The purpose of this process is to ensure that all the resin in the Component B container is incorporated into the mix. Mix Components A and B in the square pail with a stir stick for a minimum of 3 minutes, or until the mixture is completely blended and a uniform consistency and colour are produced. **Once the mixing process has been completed, you have up to 60 minutes at 23°C (73°F) to apply the mixed material.**

## Application

Sikafloor® 2530W should only be applied when the air and concrete temperature is between 10°C and 30°C (50°F and 86°F). It is recommended that the first coat and slip resistant sand broadcast be applied in sections of 4 ft by 4 ft, working one section at a time. Apply a uniform first coat of paint, using a short-haired (10 mm), sheepskin roller, ensuring that the material is worked into the surface and that complete coverage is achieved. To create a non-slip surface, apply sand to the first coat applied section at 100 g / m<sup>2</sup> (3.5 oz. / 10 ft<sup>2</sup>) while the paint is wet. Draw the paint roller back over the section in order to create a uniform surface. Once this is done, move onto the next section. Note: Do not add the sand directly into the mix.

Refer to Chart 1 for waiting times prior to applying the second coat.

Concrete Temperature	Minimum	Maximum
10°C (50°F)	24 hours	4 days
20°C (68°F)	12 hours	2 days
30°C (86°F)	6 hours	1 day

The second coat is applied in exactly the same way as the first, but without the application of sand. (The second coat will serve to further seal the sand applied into the first coat.) Note: Work the second coat well into the sanded surface, but don't apply too thickly as this will mask the sand texture, resulting in a patchy appearance and reducing the effectiveness of the slip resistance.

Please refer to Chart 2 below for traffic and final curing times.

## Curing

Temperature	Foot traffic	Light traffic	Full cure
10°C (50°F)	approx. 48 hours	approx. 5 days	approx. 10 days
20°C (68°F)	approx. 20 hours	approx. 3 days	approx. 7 days
30°C (86°F)	approx. 10 hours	approx. 2 days	approx. 5 days

**NOTE :** Times are approximate and will be affected by differing application temperatures and curing conditions.

## Clean Up

Clean off tools and any material spills with water while still wet. Hardened paint can only be removed manually and/or mechanically.

## Limitations

- Minimum and maximum ambient and concrete temperature must be between 10°C and 30°C (50°F and 86°F)
- Not suitable for exterior use.
- Do not apply on wet surfaces.
- Do not use to repair cracks or holes.
- When using light colour shades, it may be necessary to apply several coats to achieve full opacity (hiding power).
- Uncured Sikafloor® 2530W must be protected from humidity, condensation and water for no less than 24 hours after application. Early contact with moisture may result in staining of the surface.
- Sikafloor® 2530W may discolour or suffer some colour change under direct ultraviolet or sun light; however, this has no influence on the function or performance of the paint.

## Caution

During application and curing in closed rooms, etc., adequate fresh air ventilation must be provided. Keep away from open flames including welding activities and equipment. Use of basic principles of industrial hygiene and protective clothing such as gloves and goggles etc. will enable this product to be used safely. Change soiled work clothes and wash hands before eating and after finishing work. Local regulations and health and safety advice on packaging labels must be observed. Uncured/unmixed material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures, e.g. physical, toxicological and ecological data, can be obtained from the material safety data sheet which you can access on the Sika Canada Inc website at: [www.sika.ca](http://www.sika.ca).

For more information, consult the Material Safety Data Sheet.

**KEEP OUT OF REACH OF CHILDREN**

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).

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