

# Sikafloor<sup>®</sup>-264 T

## Solvent Free, Coloured, High Build Epoxy Coating

Construction

<b>Description</b>	Sikafloor <sup>®</sup> -264T is a thixotropic 2-component solvent free pigmented 100% solids high build epoxy coating for heavy duty and decorative finishes. It can be applied to vertical surfaces (walls & covers) in addition to provide a textured floor coating.
<b>Uses</b>	<p>Sikafloor<sup>®</sup>-264T is used on surfaces where cleanliness and hygiene are important.</p> <p>These include:</p> <ul style="list-style-type: none"> <li>• Food processing industry</li> <li>• Chemical/pharmaceutical industry</li> <li>• Power stations</li> <li>• Plastics Industry</li> <li>• Laboratories and rooms subject to radiation</li> <li>• Clean rooms, exhibition halls and showrooms</li> <li>• Demonstration areas and training rooms</li> <li>• Washrooms, cloakrooms</li> </ul> <p>For use on mineral-based substrates such as:</p> <ul style="list-style-type: none"> <li>• Concrete</li> <li>• Mortar</li> <li>• Stone</li> <li>• Epoxy Modified Mortars (EpoCem)</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• High mechanical properties</li> <li>• Good abrasion resistance</li> <li>• High durability</li> <li>• Coloured</li> <li>• Solvent free</li> <li>• Jointless</li> <li>• Easy and fast to apply</li> <li>• Easily cleaned and maintained</li> <li>• Waterproof</li> </ul>
<b>Storage and Shelf Life</b>	Stored in original unopened containers within the temperature range of +5°C to +30°C this product will keep for a minimum of one (1) year.
<b>Instructions for Use</b>	
<b>Mixing</b>	Prior to mixing, stir component A (unpigmented resin) thoroughly and add in pigment pack. Add all of component B (hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 450rpm) for a minimum of 3 minutes until a uniform mix has been achieved.
<b>Cleaning</b>	All equipment should be cleaned immediately after use with Sika Colma Cleaner. Hardened material will have to be mechanically removed. Wash soiled hands and skin thoroughly in hot soapy water.
<b>Application</b>	Prior to application, confirm substrate moisture content is below 4%, where the substrate is above 4% Sikafloor EpoCem should be applied as a temporary moisture barrier.

**Surface Preparation**

Surfaces must be clean, dry and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil and greases etc. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa and with moisture content below 4%.

Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast-tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods. To check that all traces of oil have been completely removed, sprinkle a few drops of water over the surface. If all the water is quickly absorbed, the surface is sufficiently oil and grease free. If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.

For reprofiling defects on horizontal surfaces a suitable patching mortar is required. The patching mortar can be of epoxy or cementitious base depending on the scope, particular conditions and requirements of the work. Contact the Sika Technical Department for further information.

Substrates prone to rising moisture vapour (eg. slab on ground with no waterproof membrane underlay) or with a moisture content in excess of 4% should be treated with Sikagard-720 EpoCem or Sikafloor-81 EpoCem. These products provide a temporary moisture barrier so that the subsequent epoxy coating can fully cure and bond to the substrate without interference from rising moisture. Substrates treated with EpoCem products in accordance with the Technical Data sheets require no further priming once it's moisture content is less than 4%, prior to the application of Sikafloor-264T.

**High build roll on coating**

Apply mixed Sikafloor-264T onto unprimed substrate by brush or roller. For heavy-duty service or for surfaces with abnormal absorbency, prime with Sikafloor-156.

**Floor Coating Systems**

Two Coats:	Sikafloor-264T (Part A & B)
Material Consumption:	Approx. 0.25 - 0.35 kg/m <sup>2</sup> /coat (2 coats normally required for pastel colours)

**Technical Data (Typical)**

<b>Form</b>	Part A	Thixotropic pigmented liquid
	Part B	Slightly yellow transparent liquid
<b>Density</b>	Part A	1.41 kg/litre approx.
	Part B	1.00 kg/litre approx.
	Pigment	1.75 kg/litre approx.
	Part A + B	1.36 kg/litre approx.
<b>Mixing ratio</b>	Part A : B - 3.8 : 1 (wt)	
	Part A : B - 2.4 : 1 (vol)	



<b>Potlife</b>	Temperature	Time																																										
	10°C	~ 50 minutes																																										
	20°C	~ 25 minutes																																										
	30°C	~ 15 minutes																																										
<b>Compressive Strength</b>	Resin: ~ 60 N/mm <sup>2</sup> (28 days / +23°C)	(EN 196-1)																																										
<b>Bond Strength</b>	> 1.5 N/mm <sup>2</sup> (failure in concrete)	(EN 196-1)																																										
<b>Shore D Hardness</b>	76 (7days / +23°C)	(DIN 53 505)																																										
<b>Colour</b>	Dusty Grey RAL7037, Silver Grey RAL7001, Light Grey RAL7035, Beige RAL1001, Reed Green RAL6013, Koala Grey AS 2700, Sky Blue RAL5015, Oxide Red RAL3009, Traffic Black RAL9017, Ruby Red RAL3003.																																											
	See Sika Colour Selection Guide:																																											
	<ul style="list-style-type: none"> <li>All other standard RAL colours are available as per the RAL classics colour chart</li> <li>Colours are produced as close as possible to production standards</li> <li>Where colour shade is critical, a site trail is strongly recommended prior to proceeding with the work.</li> <li>Ensure that finishing and application techniques remain consistent to prevent colour variation.</li> <li>Note that some bright colours may require additional pigment packs to prevent opacity.</li> </ul>																																											
<b>Packaging</b>	Part A (Unpigmented)	6.55 kg																																										
	Part B	2.0 kg																																										
	Pigment pack	1.15 kg																																										
	Total	9.7 kg																																										
<b>Chemical Resistance</b>	Testing Time: 42 days permanent exposure (Sika Method) Testing Group according to DIBT/medium																																											
	<table border="1"> <tr> <td>1.</td> <td>3- and 4- Star Petrol</td> <td>B</td> <td>8.</td> <td>aliphatic aldehyde</td> <td>A</td> </tr> <tr> <td>2.</td> <td>jet fuel</td> <td>A</td> <td>9.</td> <td>10% acetic acid 20% acetic acid</td> <td>A,D, B, D</td> </tr> <tr> <td>3.</td> <td>fuel oil</td> <td>A</td> <td>10.</td> <td>20% sulfuric acid</td> <td>A,D</td> </tr> <tr> <td>4.</td> <td>aromatic hydrocarbons</td> <td>B</td> <td>11.</td> <td>20% caustic soda (sodium hydroxide)</td> <td>A</td> </tr> <tr> <td>5.</td> <td>alcohols</td> <td>B</td> <td>12.</td> <td>amine</td> <td>C</td> </tr> <tr> <td>6.</td> <td>trichloroethylene</td> <td>C</td> <td>13.</td> <td>aqueous solutions of organic detergents</td> <td>A</td> </tr> <tr> <td>7.</td> <td>esters and ketones</td> <td>C</td> <td></td> <td></td> <td></td> </tr> </table>		1.	3- and 4- Star Petrol	B	8.	aliphatic aldehyde	A	2.	jet fuel	A	9.	10% acetic acid 20% acetic acid	A,D, B, D	3.	fuel oil	A	10.	20% sulfuric acid	A,D	4.	aromatic hydrocarbons	B	11.	20% caustic soda (sodium hydroxide)	A	5.	alcohols	B	12.	amine	C	6.	trichloroethylene	C	13.	aqueous solutions of organic detergents	A	7.	esters and ketones	C			
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	A = Resistant	Minor loss in hardness (0-20% Shore D), no formation of bubbles, no debonding, no/minor swelling.																																										
	B = Limited resistance	Moderate loss in hardness (20-40% Shore D), or formation of bubbles, no debonding, visible swelling.																																										
	C = Not resistant	Considerable loss in hardness (>40% shore D), or formation of bubbles, or loss of adhesion or partial/complete destruction of the coating.																																										
	D = Discolouration or loss of gloss																																											

**Limits on Application**

- Minimum air and substrate temperature +10°C.
- Maximum air and substrate temperature +30°C.
- Maximum air humidity 85% r.h.
- Substrate temperature must be at least 3°C greater than the dewpoint at the time of application.
- Where the moisture content of the substrate is greater than 4%, EpoCem (Sikafloor-81 EpoCem or Sikagard-720 EpoCem) is to be used as a temporary moisture barrier.

**Important Notes**

- Maximum delay between priming and application of Sikafloor-264T is 48 hours at 20°C. Should this time be exceeded the primed surface must be lightly abraded and wiped with Sika Colma Cleaner prior to the application of Sikafloor-264T.
- For cleaning and maintenance instructions contact the Sika Technical Department for further information.
- Component A must be thoroughly stirred with a mechanical mixer prior to batching.
- The substrate temperature should be at least 3°C above the dew point.
- As is common with most epoxy coatings, Sikafloor-264T will yellow and then chalk on exposure to UV radiation (sunlight). Areas indoors that receive direct sunlight exposure for some internals during the day, such as those adjacent to doorways and windows can be overcoated within 48 hours of the application of the final coat with Sikafloor-PU.

**Handling**

- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using this product.
- If poisoning occurs contact a doctor or Poisons Information Centre.
- If swallowed do NOT induce vomiting, give a glass of water.
- If skin contact occurs, wash immediately and thoroughly with soap and water.
- If in contact with eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
- A full Material Safety Data Sheet is available from Sika on request.

**Note**

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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. 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 written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

