

Sikafloor® Duraseal W

Water Based Epoxy Floor Sealer

Construction

Description	Sikafloor Duraseal W is a clear two component, solvent free water based epoxy resin coating.
Uses	<p>Sikafloor Duraseal W is used as a penetrating dustproof sealer for areas such as:</p> <ul style="list-style-type: none"> • As a primer for Sikafloor-81 EpoCem and Sikagard-720 EpoCem. • As a resin binder for all EpoCem products. • Seals concrete and screeds. • Warehouses and storage facilities. • Car parks and garages. • High industrial buildings.
Advantages	<ul style="list-style-type: none"> • Easy to use. • Chemical resistant. • Good resistant to abrasion. • Low viscosity. • Water based and low odour. • Reduces permeability. • Reduces dusting. • Economical. • Pre-dosed units.
Storage and Shelf Life	Minimum of one (1) year in unopened containers when stored free from frost in dry conditions between 5°C and 30°C. Component B is classed as non-hazardous for transportation.
Instructions for Use	
Surface Preparation	<p>The substrate must be sound, free from dust, surface water and surface contaminants such as oil, grease, fats, chemicals, rust, paints curing membranes, etc. All loose materials and surface laitance must be removed. For larger areas shot blasting, high-pressure water blasting or scabbling is recommended. On small areas needle gunning or bush hammering can be effective.</p> <p>The tensile strength of the substrate should be at least 1.5 MPa.</p> <p>Pre-wetting the substrate is not necessary except on very absorbent substrates and/or when exposure to intense sunlight is probable. There should be no visible or standing water. May be applied to green and moist cementitious substrates.</p>
Mixing	Shake component A (white liquid) briefly and pour into Component B container. Mix with an electric stirrer for at least 3 minutes.
Application	<ul style="list-style-type: none"> • Sikafloor Duraseal W can be applied by brush or roller. • Recommended coating thickness is approximately 50 microns per coat. • Avoid ponding
Cleaning	Clean all tools with water immediately after use. Once cured, Sikafloor Duraseal W can only be removed mechanically.

Technical and Physical Data

Form	Component A	White liquid
	Component B	Dark grey liquid

Transparent when applied

Density (at 20°C)	Comp A + B: 1.05 kg/litre
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Mix Ratio	Comp A : B = 1:2.74 (by weight or volume)
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Pot Life (4kg at 20°C)	Approximately 45 minutes
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Application Temperature (ambient & substrate)	Minimum substrate temperature:	+ 8°C
	Maximum substrate temperature:	+ 30°C
	Maximum relative humidity:	~ 80%

Substrate Moisture Content	Maximum of 12% by weight or ≤ 95% relative humidity
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Material Consumption	Approximately 0.2 – 0.3 kg/m ² (approx. 5m ² /litre) per coat depending on substrate conditions. As a concrete sealer two coats are normally required to achieve a total thickness of 100 microns. Strongly absorbent or porous substrates require two primer coats with a waiting time between coats of minimum 12 hours, and maximum 36 hours.
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Packaging	Pre-proportioned units (A+B) in 10kg.
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Important Notes	<ul style="list-style-type: none"> • On no account may water be added. • Do not apply Sikafloor Duraseal W on substrates in which significant vapour pressure may occur. • Always ensure good ventilation when using Sikafloor Duraseal W in a confined space. • Freshly applied Sikafloor Duraseal W should be protected from damp, condensation and water for at least 24 hours. • If in doubt about the use or application of this product, or further information please contact our Sika Technical Department.
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Handling Precautions	<ul style="list-style-type: none"> ▪ Avoid contact with skin and eyes. ▪ Wear protective gloves and eye protection during work. ▪ If skin contact occurs, wash skin thoroughly. ▪ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay. ▪ Avoid contact with foodstuffs and utensils. ▪ A full Material Safety Data Sheet is available from Sika on request.
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Important Notification	<p>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 Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p>
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PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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