

## PRODUCT DATA SHEET

# Sikafloor® ProSeal W

Water dispersed curing and sealing compound for concrete floors

## DESCRIPTION

Sikafloor® ProSeal W is a one part water dispersed acrylic emulsion to cure, harden and seal fresh or hardened concrete.

## USES

Sikafloor® ProSeal W may only be used by experienced professionals.

Sikafloor® ProSeal W is used for optimum curing and sealing of fresh concrete floors and structures.

- Curing compound in order to limit surface drying and cracking
- Provides curing and sealing for Sikafloor® dry shake hardeners
- Anti-dust treatment and improvement of the abrasion resistance of existing concrete surfaces
- Suitable for exterior and interior application

## CHARACTERISTICS / ADVANTAGES

- Water dispersion
- Suitable for indoor use where solvent-based products cannot be applied because of health and safety regulations
- Helps control dusting for both new and existing concrete floor surfaces
- Effectively cures and seals concrete surfaces in a single, economic operation
- Very low yellowing
- Easy application by spray or roller

## PRODUCT INFORMATION

<b>Composition</b>	Water dispersed acrylic emulsion.
<b>Packaging</b>	25 l cans and 200 l drums
<b>Appearance / Colour</b>	White liquid, clear when cured.
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	stored properly in original, unopened and undamaged sealed containers, in dry conditions at temperatures between +5 °C and +30 °C. Protect from frost.
<b>Density</b>	~1.0 kg/l (at +20 °C)
<b>Solid content by mass</b>	~16 %

## APPLICATION INFORMATION

<b>Consumption</b>	0.1–0.2 l/m <sup>2</sup> /coat Requirements of relevant local standards and guidelines apply. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc.		
<b>Ambient air temperature</b>	+10 °C min. / +30 °C max.		
<b>Relative air humidity</b>	80 % max.		
<b>Dew point</b>	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.		
<b>Substrate temperature</b>	+10 °C min. / +30 °C max.		
<b>Curing time</b>	<b>Substrate temperature</b>	<b>Foot traffic</b>	<b>Full cure</b>
	+10 °C	~16 hours	~24 hours
	+20 °C	~8 hours	~20 hours
	+30 °C	~6 hours	~16 hours
Full cure times are approximate and will be affected by changing substrate and ambient conditions			
<b>Waiting time to overcoating</b>	Allow previous coats to become tack free before applying additional coats.		
	<b>Substrate temperature</b>	<b>Time</b>	
	+10 °C	~90 minutes	
	+20 °C	~45 minutes	
+30 °C	~40 minutes		
Times are approximate and will be affected by changing substrate and ambient conditions, particularly temperature and relative humidity.			

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- In hot weather (above +25 °C) store Sikafloor® ProSeal W in a cool place prior to use.
- In low temperatures (below +10 °C) the product may thicken and be difficult to spray.
- Do not use sprayers which have been used to spray silicones or release agents.
- Do not mix differing formulations of Sika® or other curing membranes.
- Ensure spraying equipment is cleaned thoroughly before use and residues of previous membranes are removed.
- Sikafloor® ProSeal W must be removed prior to the application of a coating system.
- Sikafloor® ProSeal W increases abrasion resistance compared to C25 concrete, but will gradually degrade and be removed by environmental exposure conditions and trafficking.
- Not recommended for concrete floors with metallic dry shake hardeners.
- Do not use outside over white and non absorbent substrates, as some yellowing may be perceptible.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

### DIRECTIVE 2004/42/CE LIMITATION OF EMISSIONS OF VOC

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

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

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

#### Fresh concrete

Surface must be free of bleed water and of sufficient strength to withstand finishing operations.

The concrete must be prepared by suitable power or manual floating / tamping techniques.

### Hardened / old concrete

Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oil, grease, coatings, all loosely adhering particles and other surface contaminants.

The substrate must be prepared by suitable mechanical preparation techniques such as high-pressure water or abrasive blast cleaning equipment.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

If in doubt apply a test area first.

### MIXING

Sikafloor® ProSeal W is supplied ready for use. Stir thoroughly with an electric stirrer with low speed (~300 rpm) for 2 minutes before use.

### APPLICATION

For fresh concrete, apply immediately after finishing techniques have been completed.

For dry shaken topped concrete, apply immediately after completion of the power floating operation. Apply in a continuous even film by low-pressure spray unit. The suitability of spraying equipment must be confirmed by trials.

Application also possible by brush or roller.

To achieve the highest visual aesthetics and performance, a second coat is recommended.

Wait for first coat to dry tack free before applying a second coat. (see waiting time / overcoating)

### CLEANING OF EQUIPMENT

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

## MAINTENANCE

### CLEANING

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

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

### LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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#### PRODUCT DATA SHEET

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