

# Protector OS-A Crème & AKR STOPP (PROTECTOR OCAS) Technical Information



## Product Description

EN 1504/DIN V 18026

Products and systems for the Protection and repair of concrete structures - Surface protection systems for concrete OS-A, water-repellent impregnations

**PROTECTOR OCAS** is an aqueous, water repellents for concrete with thixotropic, cream-like consistency silane-based with an active ingredient content of about 80% especially suitable for use on road surfaces.

## Product Specialty chats

- Deep impregnation, to 11 mm penetration depth
- Resistance to alkalis

The product **PROTECTOR OCAS** consists of tiny molecules and is therefore ideal for deep impregnation. Multiple applications are possible, in order to increase the depth of penetration of the product. The silane-based active ingredient combination fixed by chemical reactions firmly into the ground in front of water and salt intake, improves Frost / immersion shock resistance and resistance to alkalis. The visual appearance is not affected, the water repellency occurs without formation of a beading effect.

## Product Data

Appearance:	white cream, pasty
Active ingredient:	80% by weight%
Density at 20 ° C:	about 0.9 g / cm <sup>3</sup>
pH:	about 7.0
Flash point:	about 74 ° C
Penetration:	depth of 11 mm

## Application

Due to the cream-like consistency is necessary layer thicknesses can be easily applied. When used properly, the undiluted use, the product diffuses a residue-free within 60 minutes into the subsoil, the interval depends on the absorbency of the substrate.

Fresh concrete can be treated after about four weeks **PROTECTOR OCAS**. The application to the cleaned surface takes place eg by rolling, brushing or spraying with airless equipment. The Order Recommendation lieth at about 400 g / m<sup>2</sup> of products in several steps in dry weather and building temperatures of +5 ° C - 30 ° C. The compatibility with other building materials must be tested if necessary. Contact with bitumen is to be avoided.

Temperature surface / air	5 – 30 °C / 5 -30 °C
Relative humidity	Max. 75 %
Moisture content	Maximum concrete residual moisture: 3% (w / w)
Waiting time to rain hard 10/30 ° C	Min. 24 h
Wait until the test confirmed definitely	14 days
Impregnation quality	(n ZTV-ING part 3, Sect. 4, point 8.5)
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Weather protection / treatment	cover When it rains

## Storage

Own in the sealing closed original container at storage temperatures between 0 ° C and 30 ° C  
A shelf life of 12 months.

## EU Labeling

<b>C €</b>	
<b>0921</b>	
Musichert Oberflächentechnologie, <b>Marcel Muschert</b> , Burgweg 2, 07334 Kamsdorf	
<b>14</b>	
MUO – 1412 – 01	
<b>EN 1504-2:2004</b>	
<b>Oberflächenschutzprodukt – hydrophobierende Imprägnierung</b>	
<b>EN 1504-2: ZA.1a</b>	
Penetration depth	Class II: 10mm
Water absorption and Alkali resistance	sorption coefficient <7.5% compared with untreated sample <10% in alkaline solution
Drying rate	class I: > 30%
Mass loss not after freeze-thaw Cycling impregnated	mass loss 20 cycles later than sample
Hazardous substances	NPD

## Safety note

It is the ZTV-ING Part 3, Section 4, item 8.4 must be observed!

As a manufacturer, we point out that all the details of this technical information are to be checked by their own tests. General liability is excluded because of Different practice conditions.

The main findings are confirmed in the test report No. B 16.13.093.03 MFPA Weimar.

Please take note of our on Safety ...

The safety data and test reports are available upon request

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