



# Crete WR

Polyurethane mortar for vertical surfaces and radius coves

Type/Name	Availability			
	Quantity per pallet			
	<b>Packaging unit</b>	<b>0,89 kg</b>	<b>0,71 kg</b>	<b>13,4 kg</b>
	Type of container	Plastic container	Plastic container	Paper bag
	Container code	01	01	13
	<b>Art. no.</b>			
Crete WR - A beige	260097	■		
Crete WR - A blue	260098	■		
Crete WR - A dark grey	260099	■		
Crete WR - A green	260100	■		
Crete WR - A grey	260101	■		
Crete WR - A red	260102	■		
Crete WR - A special colour	260103	■		
Crete WR - B - Hardener	260104		■	
Crete WR - C - Aggregate	260105			■
Available in a range of standard colours <b>15kg unit:</b> 0,89 kg Comp. A + 0,71 kg Comp. B + 13,4 kg Comp. C				

**Application rate** Typically 2 - 9 mm (vertically 4 mm maximum).  
Approximately 2 kg/m<sup>2</sup> per mm thickness when applied flat.

**Range of use**



- Primer for chemically resistant systems
- Sealer for chemically resistant systems
- Top seal for blinding layers in chemically resistant systems
- Ideal for environments such as the food, beverage, engineering and chemical industries
- Ideal for coving, plinths and bases, drain linings and bunds
- For use by professionals

**Property profile**

- High durability
- High abrasion resistance
- High chemical resistance
- Non-tainting
- Seamless



### Characteristic data of the product

Temperature resistance	Crete WR is resistant to cleaning temperatures up to 60°C when applied at a minimum of 4 mm thickness
Thickness	Typically 2 - 9 mm (vertically 4 mm maximum)
Pot life	15 mins at 20 ° C
Waiting time per application	12 - 48 hours
Appearance/colour	Lightly textured matt finish
Foot traffic	12 hours at 20 ° C
Chemical resistance	7 days

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

### Possible system products

- [Epoxy ST 100 \(1160\)](#)
- [Epoxy MT 100 \(0936\)](#)
- [Crete TF \(260085\)](#)
- [Quartz 07/12 \(260008\)](#)

### Preparation

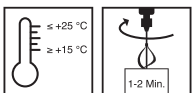
#### ■ Substrate requirements

Ideal ambient and substrate temperature range is 15 - 25 °C. Localized heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. The aggregate can be stored in a cool area (or warm area in the case of low ambient temperature) in order to control product temperature and working life. The substrate and uncured floor must be kept at least 3 °C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming to at least 48 hours after application.

#### ■ Substrate preparation

Inadequate preparation will lead to loss of adhesion and failure. Substrates should be clean, dry, sound and free of surface laitance.

### Production of the mixture



#### ■ Mixing

Prior to mixing, the temperature of the three components must be between 15 °C and 25 °C. Pre-mix the coloured resin component before use. Add the hardener component to the coloured resin component and mix using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous. Decant the mixture into a rotary drum mixer and add the aggregate component in stages, mixing for a minimum of 3 minutes until a uniform coloured, lump-free mix is obtained. Apply to primed areas to the required thickness using a steel float. Ensure that anchor grooves are fully wetted out with material. The cured product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used. Protect the installed floor from damp, condensation and water for at least 4 days.

### Application examples

#### Priming

Crete WR should be applied into tacky Epoxy ST 100 (up to 4%) or Epoxy MT 100 (up to 6%) and scatter with Quartz 07/12 whilst wet, 1 kg/m<sup>2</sup>, (typically 45 - 60 minutes after application). If, prior to the application of Crete WR, there are dry patches, a further primer coat is required. If the primer has been left to cure for > 48 hours then the primer surface should be mechanically abraded and the area re-primed.



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### Sealing

Due to the dry nature required of a product designed to be applied vertically, Crete WR shows a lower color strength than flooring materials and color density may vary throughout an installation. Where a closer color match is required or where Crete WR requires sealing, for example, in wet areas or where chemical spillages are likely, Crete TF should be applied within 24 hours of application. See separate technical datasheet.

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### Notes

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >90% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <5 °C during the application or within the curing period. The design strength of concrete surfaces must be a minimum of 25 MPa compressive strength at 28 days. The manufacture of Remmers Crete WR is a batch process and despite close manufacturing tolerances, colour variation may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared. Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.

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### Tools / Cleaning

Regular cleaning is essential to enhance and maintain the life expectancy and appearance of the product. Crete WR can be easily cleaned using industry standard cleaning chemicals and techniques, especially where sealed using Crete TF. Consult your cleaning chemical and equipment supplier for more information.

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### Storage / Shelf life



Store off the ground in un-opened packs in a dry store, under cover between 10°C and 30°C out of direct sunlight. Protect from frost.  
Resin and hardener components: 12 months  
Aggregate component: 6 months

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### Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

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