



**PROTECTIVE
&
MARINE
COATINGS**

**Acrydur CV01
PRODUCT TECHNICAL DATA**

PRODUCT DESCRIPTION

Acrydur CV01 is a solvent free Methyl Methacrylate (MMA) resin coving paste to create high strength coving and skirtings for indoor applications with Acrydur flooring systems.

ADVANTAGES

- Can form coving up to 20mm thickness
- Hard wearing
- Excellent bond to substrate
- Easy to apply

RECOMMENDED USE

- As a high-strength coving for Acrydur flooring systems

PRODUCT DATA

Colours:	NA	Application at 20°C
Finish:	N/A	Hardening Time: 40 minutes or once surface has lost tackiness
Flash Point:	+ 10°C	Pot Life: 15 minutes from mixing
Cleanser/Thinner:	N/A	<i>The amount of material to be prepared for application should be calculated. Do not prepare more material than what can be applied correctly within the pot life.</i>
Pack Size:	25 kg	<i>All mixed products must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.</i>
Mixing Ratio:	25% Acrydur CV01 and 75% Filler or Quartz	Coverage Rate: Typically 2 kg per linear metre forms a coving 100mm in height (Theoretical)
Density:	Approximately 1.02 g/cm ³ unfilled Approximately 1.85 g/cm ³ filled	<i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>
Shelf Life:	12 months when stored in unopened containers	System Thickness: Around 4 mm on a radius cove
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 20°C	<i>The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.</i>
Recommended Application Methods:	Trowel and coving trowel	



Acrydur CV01

SURFACE PREPARATION

New Concrete Floors: New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Acrydur RM01** and **Acrydur RM02**.

Existing Floors (previously coated): All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with the existing floor coating. Where **Acrydur CV01** is applied to concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

PRIMING

Acrydur PR01 is for priming substrates prior to the application of **Acrydur CV01**. Porous substrates may require double priming. To enhance adhesion the primer application can be lightly scattered with sand (approximately 0.3 – 0.8 mm in size) at an approximate rate of 0.3 kg/m².

Acrydur CV01 is supplied in 25kg pails. Before mixing ideally precondition the **Acrydur CV01** paste, Peroxide and selected filler or quartz to a temperature of approximately 15 °C to 20°C.

The application temperature should be 0°C to 35°C throughout the application and the curing period.

MIXING AND APPLICATION

Peroxide is added to **Acrydur CV01** paste first of all followed by the selected filler or quartz immediately before application. The hardening powder must always be stirred in to create an even homogenous consistency in the corresponding mixture. The stirring time will depend on the type and the condition of the mixing equipment used and on the temperature of the material.

Prior to use, stir the **Acrydur** to obtain an even distribution of the paraffin contained in the product. Pour the appropriate ratio of hardening powder into the container of resin (see table below). Mix until the Peroxide is completely dissolved.

Hardener addition % guidance

Temperature	Hardening powder	Pot life / minutes	Hardening time
0 °C	3.5%	20	60
+ 10 °C	2.5%	17	45
+ 20 °C	1.5%	15	40
+ 30 °C	1%	12	30

NB: The quantity of hardening powder is always related to the amount of resin

Hardening powder must not be added to the reactive resin and resin/filler mix until immediately before application. The hardening powder must always be stirred in and allowed to dissolve in the pure resin. The stirring time will depend on the type and the condition of the mixing equipment used and on the temperature of the material.

APPLICATION CONDITIONS

Acrydur CV01 should be spread coarsely to the desired thickness using a trowel and then should be formed, compressed and smoothed using a coving trowel for a consistent coving with no pores or trowel marks remaining.

The application of the system requires consistent and even technique to ensure good compaction of the mix and to avoid pores and air bubbles within the stated tolerance of fillers and resin and depending on the thickness of the application.

For coving thickness of more than 10 mm and less than 20 mm, a first half thick cove must be installed for curing as to avoid any overheating. The final coving to follow as soon as the first layer has cooled down.

See *Sherwin-Williams Acrydur System Guides for recommended floor systems*

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide:	FerFA Category 2/3/4
Compressive Strength: (DIN 1164)	40 N/mm ²
Tensile Strength: (DIN 1164)	17 N/mm ²
Bond Strength:	>1.5 MPa (Substrate failure)
Water penetration:	Impervious

WARRANTY	DISCLAIMER
<p><i>Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.</i></p> <p><i>The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.</i></p>	<p><i>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.</i></p>
HEALTH AND SAFETY	
<p><i>Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.</i></p>	

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