Acrydur® 540 H Cove Paste

Universally Applicable Cove Paste
for Creating Coves

PLASTI CHEMIE International GmbH

Application:

Acrydur® 540 H Cove paste is suitable for creating coves—when mixed with natural quartz sands or colored quartz sands—to form seamless wall junctions for Acrydur® industrial flooring systems. Where mechanical separation from the wall structure is desired, we recommend installing our cove profile system.

Characteristics:

Acrydur® 540 H Cove paste is easy to apply and cures with minimal yellowing. The elasticity/flexibility of the coves can be individually adjusted through the use of Acrydur® 332.

Characteristics of the Supplied Resin:

Characteristics	Measurement Method	Approximate value
Curing	25 min (at 20 °C)	
Form of Delivery	Pasty, slightly Violet	
Shelf life	In the dark at < 20 °C: maximum 6 months.	
Delivery Container	180 kg Drum 25 kg, 10 kg Pails	

Initiator/Hardener: Hardness powder 50 W (BPO), temperature dependent.

Standard Formulations: (20°C)

Plasti-Chemie International GmbH
Falgardring 1
D – 08223 Falkenstein / Germany

Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27

Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de

Hybrid Approach

1 GT Acrydur® 540 H
2 - 3 GT Colored Sand 0.4 to 2.0 mm (depending on color)

Due to the pigmentation of the colored quartz, the required quantity may vary. When mixing for the first time, start with 2.5 kg of colored quartz and increase to a maximum of 3.0 kg as needed to ensure the correct consistency.

Processing:

Acrydur® 540 H cove paste and 50W hardener powder are mixed using a high-speed stirrer, and subsequently blended with the filler sand. After a mixing time of 1 minute, the material is applied using specially shaped trowels to the wall-to-floor junction area, which has been previously primed with Acrydur® 112. For mechanical separation between the wall and floor, AL or V4A cove profiles should be used where appropriate. Refer to the product data sheet for the AL Cove Profile System. Coating work must always be continued only after the preceding layer has fully cured.

1. Prime the surface with a suitable Acrydur® primer at a rate of 400 grams per square meter. Use Acrydur® 332 as a primer if applying it to a stainless steel profile.
2. Lightly sprinkle with size 7 quartz.
3. Place 1 kg of 540 / H cove paste into a 10 kg bucket.
4. Add Hardener Powder 50W, as specified in the table above for the installation temperature. Mix thoroughly for at least 1 minute using a high-speed stirrer.
5. Add 2.0 – 3.0 kg of colored quartz sand and mix thoroughly.
6. Immediately apply to the wall junction surface using specially shaped trowels; do not work directly from the bucket, but instead empty the entire contents along the edge of the wall junction. The mixture must be thoroughly compacted.
7. Do not allow the SOLVENT to come into direct contact with the Acrydur® Cove Quartz Mixture. Always wipe off tools before reusing them. Allow to cure.
8. Apply the sealant appropriate for the floor.

Plasti-Chemie International GmbH
Falgardring 1
D – 08223 Falkenstein / Germany
Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27
Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de

Acrydur® 540 H Cove Paste

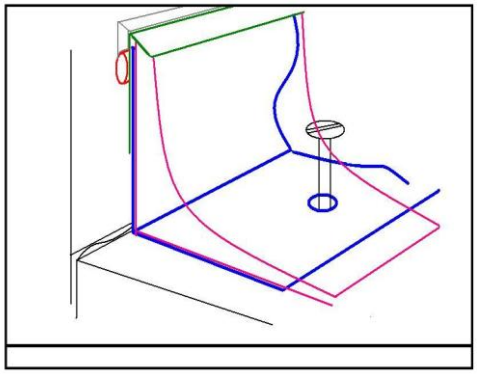
Universally Applicable Cove Paste
for Creating Coves

PLASTI CHEMIE International GmbH

Details:



Finished cove molding with profile



Detailed View

Pot Life and Curing Times Depending on Temperature:

The required amount of hardener powder—relative to the resin and 540 H—corresponds to the dosage we recommend for Acrydur® resins. Depending on the batch size, between 1% and 4% by volume of Hardener 50 W is used.

Temperature [°C]	Hardener [Vol%]	Hardener [wt%]	Pot Life [min]	Cure Time [min]
+ 5	4.0	4.0	approx. 20	approx. 50
+ 10	3.0	2.6	approx. 15	approx. 45
+ 20	2.0	2.0	approx.12	approx. 25
+ 30	1.0	2.0	approx. 10	approx. 15

- Hardener quantity calculated based on Acrydur® 540 H (Hardener 50W)
- The temperature specifications refer to the resin, substrate, and air temperatures.

Consumption: 30 kg of Acrydur® 540 H yields approx. 100 m of cove (height approx. 5 cm).

Notes: Good room ventilation during processing ensures proper curing.

Plasti-Chemie International GmbH
Falgardring 1
D – 08223 Falkenstein / Germany

Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27

Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de

Storage: Regulations governing the handling of highly flammable substances apply to methacrylate resins. Acrydur® resins must be stored in a cool place, protected from direct sunlight, and ideally at temperatures between 15 °C and 20 °C. During storage, paraffin components may separate out. Therefore, the containers must be thoroughly stirred before processing!
Please observe the instructions provided in our Safety Data Sheets.
.

Occupational Safety: Ensure adequate ventilation during processing. The regulations of the LASI (State Committee for Occupational Safety) must be observed. Please read and follow the instructions provided in our safety data sheets.

VbF : A I

GISCODE: RMA 10

HS-Code: 3208 2010

CE	
Plasti Chemie International GmbH • Falgardring 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Acrydur® 540H Hohlkehlenpaste	
Synthetic Resins for Indoor Use (Application in accordance with the latest technical information)	
Reaction to Fire:	E_{fl}
Wear Resistance (Abrasion Resistance):	AR 0.5
Impact resistance:	IR 12
Tensile strength:	B 2.0

CE- Labeling

Our information regarding our products, equipment, systems, and processes is based on extensive development work and practical application experience. We provide these findings—for which we assume no liability extending beyond the scope of the respective individual contract—both verbally and in writing to the best of our knowledge; however, we reserve the right to make technical modifications in the course of product development. Nevertheless, this does not absolve the user of the responsibility to independently verify the suitability of our products and processes for their own specific application. This also applies with regard to the observance of third-party intellectual property rights, as well as to applications and procedures that have not been expressly authorized by us in writing.

Plasti-Chemie International GmbH
Falgardring 1
D – 08223 Falkenstein / Germany
Telefon: +49 (0) 37 45 / 744 32-0
Telefax: +49 (0) 37 45 / 744 32-27
Email: info@plasti-chemie.de
Internet: www.plasti-chemie.de