

# Acrydur - 540 N (USA)

Medium-viscous, plasticized Methacrylate base resin  
for the production of cove pastes

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**Characteristics:** Acrydur™ 540 N excels in elasticity, high fillability and clear curing. Thanks to its first-rate moistening characteristics on filler materials and pigments, Acrydur™ 540 N is preferably used for the production of cove paste with Aerosil® or Sylothix®.

**Characteristic data:**

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Delivery form	liquid, blue	
Flow time	35 - 45 sec (68°F)	DIN flow cup, 4mm
Curing	15 - 25 min (68°F)	
Density	8.5123 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F	
	maximum 6 months	
Bundle	396.83 lb drums	
	55.12 lb, 22.05 lb pails	

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**Processing Notes:**

Processing: The paste consisting of Acrydur™ 540 N and Aerosil® is being mixed with coloured quartz sand (size: 10 - 40 mesh) in a mix ratio of 1:3 so as to create a thixotrope compound which does not subside (trowel test). After the preparation of a well-workable compound, add Hardener 50 W (quantity depends on the soil temperature, 1-4 vol. %, see chart).

Apply cove compound with a margin trowel and subsequently smooth with an accordingly curved cove trowel. If necessary, grind the cove surface after hardening, then apply Acrydur™ 522 N, 526 N or 528 N as clear sealing. Use Acrydur™ 526 N in wet areas with high demands on change in temperature.

Suggested  
formulation: 5.02 Acrydur™ 540 N  
2.2 lb Aerosil® 200

Pot life and curing  
times depending  
on temperature: Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

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Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
+ 41	4	~ 20	~ 50
+ 50	3	~ 15	~ 45
+ 68	2	~ 10	~ 25

\* Hardener quantity calculated on pure resin (Hardener 50 W)

**Attention:** Hardener quantities below 1 Vol. % may cause polymerisation failures!

**Hints:** To be applied only on primed surfaces! Good ventilation during processing ensures good curing.

**Storage:** The handling-regulations for highly flammable materials apply to methacrylate – resins. Acrydur™ resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

**VbF:** A I

**GISCODE:** RMA 10

**Customs Number:** 320 820 10

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