

# Acrydur™ - 528 N (USA)

Medium viscous PU-MMA resin for sealcoats of Acrydur™ Coatings based on Acrydur™ 332 N. Particularly suitable for outside applications

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**Characteristics:** Flexible topcoat, high impact strength especially on broadcast Acrydur™ 332 N outdoor coatings. The coating remains impact resistant even in a wide range of varying temperatures. Acrydur™ 528 is also suitable as a sealer in freezer rooms.

**Characteristic data:**

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Delivery form	liquid, blue
Flow time	25 - 32 sec (68°F)    DIN flow cup, 4mm
Curing	25-35 min (68°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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**Initiator/Hardener:** Hardener Powder (BPO), temperature-dependent

**Processing Notes:**

Processing: For proper curing at least 14.11 ounce/ft<sup>2</sup> sealer must be applied per rolling step. In order to ensure the necessary slip resistance and to avoid yellowing and flaking, the maximum layer thickness is limited to 28.22 ounce/ ft<sup>2</sup>. Best results are obtained with 24.69 ounce/ ft<sup>2</sup> by roller step with short hair (polyamide gold stripe) on sand broadcast coatings (15 - 30 mesh grain).

Scratch and water resistance can be ameliorated by using Hardener M. Acrydur™ Hardener M leads to a mat surface. Please mind the indications on the product data sheet.

Suggested formulation:

2.113 gal Acrydur™ 522 N  
2.71 oz Hardener 50 W or 5.41 oz Hardener M

Pot life and curing

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times depending on temperature:

Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

(Hardener 50W)

\*) Hardener quantity referred to Plastifloor® 528

Temperature [°F]**	Hardener [Vol%]*	Pot life [min]	Curing time [min]
+41	2	ca. 30	ca. 50
+50	1,5	ca. 20	ca. 40
+68	1	ca. 15	ca. 30
+77	1	ca. 12	ca. 20

\*\*) Temperature specifications refer to resin -, soil and temperature.

\*) Hardener quantity referred to Acrydur™ 528 (Hardener 50W)

\*\*) Temperature specifications refer to resin -, soil and temperature.

## Attention:

At temperatures below 32 °F, the resin needs to be put into a warm environment before processing - minimum 41 °F and add up to 2% hardener maximum. Basically accelerator cannot be added to sealings – neither as thinner nor as accelerator – due to yellowing aspects.

## 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.

## Industrial safety:

Ensure sufficient ventilation during work. On processing, pay attention to the directives in the hazardous substances ordinance and to the indications of the Federal States Committee for industrial safety and safety engineering (LASI) as well as to our safety data sheets.

**VbF:** A I

**GISCODE:** RMA 10

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**PLASTI CHEMIE**  
**Produktionsgesellschaft mbH**

**Taxnumber:** 3208 2010

Data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.