

Acrydur™ - 526 N

Medium viscous methacrylate resin
for sealing Acrydur™ coatings
in wet areas of the food industry

Characteristics: Acrydur™ 526 N is a topcoat, particularly on floors broadcast with sand and smoothed coatings based on Acrydur™ 332 N, Acrydur™ 510 N or Acrydur™ 418 N in production plants of the food industry with increased water and fat load.

Acrydur™ 526 N excels particularly in the following characteristics:

- good processing quality
- low tendency to yellowing
- increased hot water and fat stability up to 176°F

Characteristic data:

Delivery form	liquid, blue	
Flow time	30-40 sec (68°F)	DIN flow cup, 4mm
Curing	30-40 min (68°F)	
Density	8.3454 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	

Processing Notes:

Processing: For proper curing at least 14.11 ounce/ft² 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/ ft². Best results are obtained with 24.69 ounce/ ft² 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.

Special remarks: Acrydur™ 526 N can be used as clear sealer in interior and exterior zones. Elastic coatings with Acrydur™ 332 N should be sealed with Acrydur™ 528 N PUMMA-Hybrid if it is an exterior area.

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Otherwise there may appear hair-line cracks on the surface. In order to avoid yellowing, the hardener quantities in the table must be adhered to exactly. Good cross ventilation during processing assures good curing. Due to the thermoplastic property of MMA-resins, black stripes by forklift loading may appear (skid marks). Using hardener/M lowers the occurrence of skid and roller marks.

Suggested
formulation:

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

Pot life and curing
times depending
on temperature:

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

Temperatur [°F]**	Hardener [Vol%]*	Pot life [min]	Curing time [min]
+ 41	2,0	25 – 30	45 - 50
+ 50	1,5	15 – 20	35 - 40
+ 68	1,0	12 – 15	25 - 35
+ 77	1,0	8 - 12	15 - 25

*) Hardener quantity according to quantity of Acrydur™ 526 (hardener 50W)

***) The temperature specifications refer to resin -, soil and air 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.

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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.