

# Acrydur™ - 112 N (USA)

Fast-curing 2-component- adhesive primer

for concrete and cement screed

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

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**Application** Primer 112 N serves as adhesive primer for Acrydur™ coatings, especially on cement-bound substrates.

**Characteristics:** Primer 112 N is a reactive methacrylate resin that also cures fast on low temperatures.

**Characteristic data:**

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Delivery form	slightly cloudy liquid	
Flowtime	30 - 40 sec	(DIN cup 0,1574 inch)
Curing	10 - 20 min	(68°F with 2% hardener 50W)
Shelf life	In the original container, dark at < 65°F maximum 6 months	
Bundle	180 kg drum 25 kg, 10 kg pail	

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**Processing Notes:**

Processing: Primer 112 N must be mixed with hardener 50 W. Hardener quantity must be adjusted to the respective object temperature (see table). At temperatures below + 41°F, accelerator B101 can additionally be added, must be added (~ 0.5 % at 32 °F up to 3 % at - 22 °F) with retention of 6 p.b.v. hardener powder.

After mixing in the hardener powder, spread Acrydur™ 112 N equally and thinly with a roller or rubber squeegee (80-100 ft<sup>2</sup>/gal). Consumption must be adjusted individually. On extremely absorbent substrates, prime twice in order to achieve a thin but closed film that bonds the broadcasting material. We recommend slightly broadcasting the primer with quartz sand (size 15 - 25 mesh). If only thin sealers are to be applied, we recommend using quartz sand in size 20 - 40 mesh. This work step ensures an absolutely solid bond between primer and the following coating.

Suggested formulation: 2.00 gal primer 112 N

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~ 6 oz hardener 50 W (at 68°F ground temperature)

## Material

consumption:

80-100 ft<sup>2</sup>/gal per Work step

## Pot life and curing

times depending

on temperature:

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

Temperature [°F]	Hardener [Vol%]*	Pot life [min]	Curing time [min]
+32	6	ca. 11	ca. 30
+41	5	ca. 8	ca. 30
+50	4	ca. 8	ca. 30
+59	3	ca. 7	ca. 25
+68	3	ca. 6	ca. 20
+77	2	ca. 6	ca. 20

\* ) Hardener quantity calculated according to Acrydur™ 112

\*\* ) temperature refers to resin, surface and air temperature

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

## **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.

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**VbF:** A I  
**GISCODE:** RMA 10  
**Taxnumber:** 3208 2010

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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.