

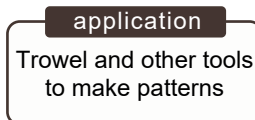
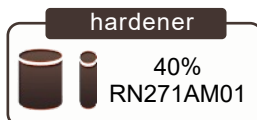
product name

RN270AM01 RESIN 3D

description

A Thixotropic Epoxy Resin (100%) To Create Paintable 3D Patterns and Designs

**SERIES
RN**



about	a modified white Thixotropic epoxy resin with a Thixotropic hardener based on Cycloaliphatic Amines
main properties	<p>the product was mainly studied to create decorative 3D patterns on a surface</p> <ul style="list-style-type: none"> • can be applied on horizontal or vertical surface with thickness from 1 mm to 5 mm • can be easily painted • does not shrink or sag when drying • high resistance to yellowing and UV rays, if painted correctly • suitable for exterior environments, if painted correctly • when completely dry, surface is glossy (>50 gloss at 60°) • air dry at room temperature with at least 20°C or higher • good resistance to Carbonation Effect
application method	the product is applied by trowel and other decorative tools

mixing of effect paint

hardening	RN271AM01 at 40% by weight
thinning	Not required, use an epoxy paint thinner, if needed



PAINTING CYCLE

PRIMER (based on surface) + **SV270AM01 RESIN 3D** + Let Dry +
Apply paint effect or colour

drying

pot life	30-50 minutes at 20°C (mass of 200 grams)
gel time	1-2 hours at 20°C (mass of 200 grams)
dry to touch (1 mm)	24 hours at about 20°C
completely dry (1 mm)	7 days at about 20°C

application cycle

- Mix the RN270AM01 Resin 3D with the RN271AM01 Hardener in the exact ratio of 40% by weight
- Mix the base and resin completely and carefully to not add air to the mixture
- You can use an electric mixing tool, but use it at a low speed
- Apply the primer to the surface as needed and let dry
- Apply the mixed resin with a trowel or rubber spatula to spread the material evenly, then make the desired patterns, decorations or designs

For English application information and design ideas, click on this link:

<https://www.cromas.it/epoxy-resin-three-dimensional-vertical-decorations-paintable>

To understand how to apply this product, we suggest to watch our applications videos, click on this link, the videos are at the bottom of the homepage: <https://www.cromas.it/>



Shows how to create a Crocodile Pattern and paint the surface with our naturally oxidized XB.02 Antique Bronze effect.



Shows how to create a Wood Effect Pattern and paint the surface with our Brushed Metal effect



Shows the steps to create a glossy table top:

- create the decorative pattern
- spray the Shiny Metal Brass SM.001 paint
- pour the Low Thickness Transparent Epoxy Resin over the surface to create a durable and glossy surface

more application information

preparation of the resin	<p>check the paints before using them and stir well</p> <p>we suggest a minimum working temperature for the resin and hardener of 23°C to obtain better levelling of the resin, less air bubbles, and a surface without defects</p>
preparation of the surface	<p>the base must be completely dry, free of dust, oils, and other products that can cause the resin to separate</p> <p>we suggest to always sand and clean the surface before use</p> <p>we suggest to first apply a primer specific to the surface</p> <p>If you are unsure about the surface, check the humidity level and complete a test with the primer and resin to check for the level of adhesion</p> <p>If the application of the paints to the surface is not good, there can be delamination problems between the resin and the surface</p> <p>Suggested Primers:</p> <p>For Wood, MDF and other wood surfaces already painted:</p> <ul style="list-style-type: none"> ● ALLGRIP primer White ● SV033AE01 Epoxy Vinyl Primer White <p>For Metal:</p> <ul style="list-style-type: none"> ● SV033AE01 Epoxy Vinyl Primer White ● SV366AF02 Epoxy Primer White - anti-corrosive primer for materials that need protection from corrosion <p>a benefit of using the SV033AE01 primer over other primers is that it can be over-coated even after 48/72 hours</p> <p>for some applications a textured primer can be useful, contact the office for technical assistance</p>
drying	<p>the resin of 1 mm thickness at 20°C will begin to thicken and gel after about 3 hours and is completely dry after 48 hours</p> <p>a higher temperature will reduce the resin curing time and a lower temperature will extend the curing time</p> <p>after 7 days at about 20°C the resin will reach maximum hardness</p> <p>check the temperature and humidity in the first 24 hours of drying</p> <p>if there is too much humidity, this can cause Carbonation - the reaction of the resin hardener with the air and humidity that can cause defects in the surface</p>

more application information

storage

store the resin and hardener in the original container that is closed tightly. The suggested storage temperature is 15° to 30°C

the shelf life is 12 months from the production date

NOTE: The materials can partially or completely crystallize in low temperatures. If crystals are found, heat the materials in an oven to 50°C to return the material to normal, then stir well

keep the materials tightly closed in the original packaging when being stored store in a dry and warm area

important product information

due to the resin characteristics, it is necessary to complete a testing cycle to better understand the mixing, application, drying and painting processes

Cromas Paints goal is to give you the most useful information so your projects are successful. The provided information comes from our direct experience.

because there are many factors to consider, we always advise to proceed with product testing in a controlled working environment and using the same materials

the viscosity of the products were tested during production of the material and because temperature can change the viscosity, this can lead to possible differences in resin batches