

Styrene adhesive

UZIN STYROSTICK SL

Sprayable styrene adhesive in organic solvents for industrial applications

Description:

Strong solvent-based contact adhesive applicable by spraying for polystyrene panels to thermal isolating surfaces e.g. refrigerator rooms, etc., ready for use, thin-bodied, easy to apply, dries quickly, long working time, high initial strength, resilient, good heat-resistance. Interior use only.



Suitable for/on:

- ▶ Bonding polystyrene (Styrofoam) with stainless steel surfaces (panels), wood etc. by airless application. It does not affect polystyrene (styrofoam) because it does not cause erosion, inflation or melting. Thus, it is totally specialized adhesive for industrial applications of professional refrigerating chamber's construction.
- ▶ Flat metallic surfaces prepared as necessary.

- ▶ Easy to spread
- ▶ Fast drying
- ▶ Does not erode polystyrene (styrofoam)
- ▶ Good coverage
- ▶ Excellent bonding
- ▶ High solvent content

Note: refer to the hazard and safety notes (see "Protection of the Workplace and Environment")

Product benefits / features:

Sprayable styrene adhesive with low viscosity and non-filamentary texture for double-sided applications. Especially recommended for expanded polystyrene (styrofoam). In some cases, it may be applied with a single coating. Suitable for horizontal and vertical surfaces. The bonded to be pieces should be pressed down.

Composition: Polychloroprene rubber with adhesion strengthening resins in organic solvents.

Technical

Data:

| | |
|-------------------------|--|
| Packaging: | metal drum |
| Sizes: | 5kg and 17kg |
| Storage: | minimum 6 months |
| Hazard characteristics: | see "Protection of the Workplace and Environment" |
| Color liquid/dry: | Beige |
| Consumption /coverage: | 200-250gr/m ² (double-stick application) |
| Special Density: | 0.91kg/l |
| Working temperature: | Minimum 10 °C |
| Open time: | 10-20 minutes* |
| Contact bond time: | 40-50 min* |
| Load bearing: | After 4-5 hours* |
| Final strength: | after 2-3 days* |

* At 20 °C and 65% relative humidity.

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Substrate preparation:

The substrate must be level, sound, dry, free from cracks, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies. Contact bond surfaces must be as smooth and flat as possible. Thoroughly abrade and clean dense and smooth surfaces, e. g. plastics, metals, existing wear surfaces, coatings, etc.

Refer to the Product Data Sheets for the products used.

Application:

Double sided adhesion:

1. Before use, stir the adhesive well, and then apply it by spraying.
2. Leave both contact surfaces to evaporate off until they appear virtually tack-free when touched. Then lay the covering immediately, or within the contact bond time, into exact position and very heavily press, rub or tap over the whole surface area. Correction is not possible. After 10 – 20 minutes, rub down hard once again, especially at joints and ends.
3. As a thinner or for removing adhesive contamination, use UZIN Nitro Solvent (caution on sensitive surfaces /very highly inflammable).

One side adhesion:

1. This adhesion is applicable on porous surfaces. Apply 2 successive coatings of sprayed adhesive. Leave the porous surface to evaporate off until it appears virtually tack-free, when touched. Then lay the covering immediately, or within the contact bond time, into exact position and very heavily press, rub or tap over the whole surface area. Correction is not possible. After 10 – 20 minutes, rub down hard once again, especially at joints and ends.
2. Adjust the airless equipment in order to have stable controlled feed. Do not apply adhesive in low temperatures below 15°C. Before the application examine carefully the substrate surface conditions (porosity, cracks etc..). Apply as much adhesive as you can work within the open time.
3. Tools, supplies, accessories e.g. nozzles, couplings and fresh spills can be cleaned by UZIN Nitrou Solvent, otherwise hardened material can be removed only mechanically.

Consumption Data:

| Notch size | Consumption* |
|------------|---|
| Smooth | 100 – 125 g /m ² (per side) |

*At 20°C and 65 % relative humidity at room temperature.

Important notes:

- ▶ Shelf life minimum 6 months in original packaging when stored in cool, dry conditions. Carefully and tightly seal opened containers and use the contents as quickly as possible.
- ▶ Place containers kept in too cold conditions, with thickened product content, in a warm area and shake repeatedly.
- ▶ Optimum working conditions are 15-25°C, floor temperature above 10°C, relative humidity below 75%.
- ▶ Too high humidity can lead to condensation on the adhesive film and failure of the contact bond.
- ▶ Thoroughly prepare solvent-sensitive or soluble surfaces, e.g. bitumen, mastic asphalt, etc.

Protection of the workplace and the environment:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H336 - May cause drowsiness or dizziness.

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P370+P378 In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish. P501 Dispose of the contents/containers in accordance with the current legislation on waste treatment.

Substances that contribute to the classification: Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS 64742-49-0); Rosin (CAS 8050-09-7); Phenolic resin (CAS 26022-00-4).

Maximum V.O.C. content: 512,98 g/L (20 °C).

Information for persons with allergies is available at Poison Center +30 210 7793777 (Greece).

Disposal:

Collect product residues wherever possible and reuse. Do not allow the sewer system, bodies of water or the soil to enter. Plastic containers emptied or scraped clean and no longer dripping from any residues can be recycled. Containers with liquid residues as well as collected liquid product residues are special waste. Containers with cured residues are construction/domestic waste.