

Version 1/8/2010

Regupol PU350

Low VOC Flooring Adhesive

Technical Product Data (typical values)

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|--|-----------------------------------|
| Chemical base | 1-C polyurethane |
| Color | Tan |
| Cure mechanism | Moisture Cure |
| Density (uncured) | 10.01 lb/gal (1.2 kg/l) |
| VOC (EPA method 24) | <60 g/l |
| Non-sag properties | Good |
| Application temperature | 60°F – 90°F (15°C - 32°C) |
| Skimming/Laying Time ⁽¹⁾ | 45-60 min |
| Curing Rate ⁽¹⁾ | 4.0 mm/24 hrs. ^{(1) (2)} |
| Shore A-hardness | 50 (after 28 days) |
| Tensile strength | 150 psi |
| Elongation at break | 170% cured ⁽¹⁾ |
| Tensile lap-shear strength | 150 psi ⁽¹⁾ |
| Service temperature | -40°F to 158°F |
| Shelf life (storage below 77°F (25°C)) | 12 months |

¹⁾ 73°F (23°C) / 50% r.h. ²⁾ Floor may accept light foot traffic after 6-8 hrs. (depending on climatic conditions and adhesive layer thickness).

Description

Regupol PU350 is a one-component, low-VOC, moisture cured polyurethane adhesive ideal for rubber flooring installation. Regupol PU350 has excellent trowelability characteristics, superior tacking properties that remains permanently elastic. Regupol PU350 offers excellent adhesion to elastomers, concrete, wood, leveling and patched underlayments that have been properly prepared.

Product Benefits

- <60 g/l VOC
- Easy to trowel
- Excellent workability
- Fast curing
- Strong, yet remains elastic
- Light weight material
- Tenacious bond
- Contains no water
- No mixing or priming required

Areas of Application

Use as an elastic adhesive for bonding many rubber flooring substrates to cement base and wood sub-floors. Advice on specific applications is available from the Technical Service Department of Regupol at 800-537-5737. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

Cure Mechanism

Moisture Cured

Green Rating

LEED® EQc 4.1
(100g/L limit)
Passes
SCAQMD, Rule 1168
(100g/L limit)
Passes
BAAQMD, Reg.8 Rule
(120g/L limit) Passes

Method of Application

Mixing

DO NOT MIX! The adhesive is specially formulated to eliminate mixing prior to use. Preliminary mixing will significantly reduce working time of adhesive.

Surface preparation

Surface to be bonded must be clean, and free of dirt, water, oils, grease, rust or other foreign materials. The floor must be smooth and structurally sound. Cracks or holes in the sub-flooring should be filled and the filler material fully cured prior to applying Regupol PU350. Advice in specific applications will be given on request. Contact the Technical Service Department of Regupol at 800-537-8737.

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Application

Regupol PU350 possesses excellent troweling characteristics. It is easily applied from its original container with standard flooring application equipment and methods. Since Regupol PU350 is a moisture curing material, new pails should not be opened until just prior to use. Apply at temperatures above 60°F and below 90°F (15°C - 32°C).

Tooling and finishing

Spread Regupol PU350 evenly with a 1/16" square-notched trowel or use appropriate trowel recommended by the flooring manufacturer. Coverage using a 1/16" square notched trowel is about 90 ft²/gallon over smooth concrete. Install flooring onto the adhesive within 30 minutes for best results. All times are recommendations, actual times may vary with temperature and humidity. Press firmly on the flooring, then roll using a 50-100 lbs. roller to insure proper adhesive contact.

Removal

Uncured Regupol PU350 can be removed from tools and equipment mineral spirits or another suitable solvent. Once cured, the material can only be removed mechanically. Hands and exposed skin should be washed immediately using a suitable industrial hand cleaner and water. Strictly follow solvent manufacturer's instructions for use and warnings. Do not use solvents on skin!