

ADHESION PROMOTER FOR NON-POROUS SUBSTRATES

DESCRIPTION

Activator 400 NP is an activating agent specifically formulated for the pre-treatment of specific non-porous substrates like, plastics, metals and glass to improve adhesion of U-Seal and SiMP-Seal adhesives. It is suitable also for applications in the automotive and BTR sectors.

RECOMMENDED FOR

Used to clean and promote adhesion on many different non-porous substrates. It is advisable to contact PENETRON HELLAS S.A. regarding guidelines for the application cycle on car glass. Activator 400 NP can be used to improve adhesion on the following non-porous substrates:

- ▶ Plastics, fiberglass and other synthetic nonporous materials.
- ▶ Painted surfaces and coatings (epoxy and polyester painted sheet steel).
- ▶ Metals such as steel, stainless steel, aluminum, copper, electrogalvanized steel, etc.
- ▶ Float glass and ceramic coated (frit) glass.

TECHNICAL CHARACTERISTICS

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| <i>Appearance</i> | Liquid |
| <i>Color</i> | Transparent |
| <i>Chemical nature</i> | Adhesion promoters in solvent dispersion |
| <i>Density [23°C (73,4°F) and 50% RH]</i> | 0,7 g/cm ³ (43,70 lb/ft ³) |
| <i>Flash off [23°C (73,4°F) and 50% RH]</i> | ≥ 10 min (Surface activation time Maximum 2h) |
| <i>VOC content</i> | ~ 95 % (w/w) |
| <i>Application</i> | By cloth or abrasive sponge |
| <i>Application temperature</i> | 5 to 35 °C (41 to 95 °F) |

Note: Cooler temperatures, inadequate ventilation and higher humidity can extend drying times. All data derived from tests under laboratory conditions, field conditions may yield slightly different results.

DIRECTIONS FOR USE

Surface Preparation: Ensure thorough cleaning of the substrate. Impregnate a lint free cloth or a mildly abrasive sponge with Activator 400 NP to pass over the surface removing contaminants and leave it to dry for 10 minutes and no more than 2 hours. If sealant application has not been performed within 2 hours, it is possible to reactivate the surface by applying a second treatment of Activator 400 NP, maximum one additional time. Ensure that activator is tack-free dry before proceeding to the adhesion process. Close the bottle immediately after use. If Activator 400 NP bottle is exposed opened for long time to the atmosphere, the liquid may become opaque with possible loss of performance, do not use opaque material. Assure to close hermetically the bottle after each use to avoid this effect. Consume within one week after opening. It is recommended to perform preliminary test before applying on substrates, including test for stress cracking. Do not use Activator 400 NP for removing or tooling U-Seal or SiMP sealants.

Coverage: Activator 400 NP has a consumption of about 40 mL/m².

CLEANING OF EQUIPMENT: Clean the tools used with acetone or solvent. When the material has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically.

SPECIAL CONSIDERTIONS:

Avoid skin contact by using latex, rubber or polyethylene gloves.

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If it comes in contact with the skin, remove immediately and wash with soap and water.

PACKAGING: Activator 400 NP can be purchased in aluminum bottles of 250 mL (15 in³) (12 pieces per box) and 1000 mL (61 in³) (12 pieces per box).

STORAGE / SHELF LIFE:

Activator 400 NP can be stored for 12 months in its original packaging (unopened container) between 10°C and 25°C (50 – 77 °F) in a cool, dry place. The storage temperature should not exceed 25°C (77 °F) for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

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