



# PUC-001 2K PU Coating

## 2K PU PROTECTIVE COATING

- ✓ Sprayable coating for metal, wood and plastics.
- ✓ Can be applied horizontally and vertically.
- ✓ Shock, bump and impact-resistant.
- ✓ Seamless, sound-proofing and anti-slip.

### Technical Info

- Basis: 2K polyurethane-acrylic polymer.
- Colour: black.
- Odour: characteristic.
- Working temperature: +10°C and +40°C.
- Relative air humidity: max 80%.
- Temperature resistance: +150°C/short peaks up to 180°C.
- A/B ratio: 3/1 (750 ml/250 ml).
- Pot life (20°C): 60-90 minutes.
- Film thickness (dry film): 100-380 µm.
- Coverage: 3m<sup>2</sup>/l for 200 µm dry film thickness (light texture).
- Hardness (EN15184 pencil test): 2H (hard).
- Weather-resistant: very good (in combination with PUP-001 PUC Primer).
- Test after 480 hours weathering (condensation cycle – EN6270-2):
  - Blistering (blistering – EN 4628-2): 0 (no blistering).
  - Rust formation (EN 4628-3): Ri 0 (0% rust formation).
  - Adhesion (cross hatch test EN 2409): GT value 0 1 (no/very slight detachment at the corners/ max. 5% of the surface detached).
- Chemical resistance: reaction after 24 hours of immersion (liquid):
  - good: ammonia 10%, sodium hydroxide 10% (caustic soda), sulfuric acid 20%, hydrochloric

### Product [PUC-001]

#### Characteristics

PUC-001 2K PU Coating protects surfaces from scratches, bumps and is chemical, UV and weather-resistant. The cured coating is impact-resistant, offers excellent mechanical protection and is water and wind-proof.

PUC-001 2K PU Coating is applied using a TPG-210 PUC Gun. The spray distance and pressure determine the texture: by adjusting the pressure and distance, a fine to very rough texture can be achieved. A coarser structured texture produces good non-slip properties.

The combination of PUP-001 PUC Primer + PUC-001 2K PU Coating provides excellent protection against corrosion.

#### Applications

- Protection of pick-up and trailer loading areas.
- Underbody coating and interiors of work vehicles.
- Protection of structures and machines in a corrosive environment.
- Protection barriers in warehouses and workshops.
- Seamless protective coating of floors and walls.

acid 20%, acetic acid 10%, citric acid, isopropanol, diesel, gasoline, engine oil, lubricating oil, hydraulic oil, brake fluid, distilled water.

- moderate: Ad Blue (slight discoloration).
- poor: battery acid 37%, acetone.
- Shelf life: 36 months, in a dry, cool and frost-free place.
- Safety measures: please refer to the safety data sheet.

## Packing

|                                      |           |
|--------------------------------------|-----------|
| PUC-001 2K PU Coating black - can 1L | 140100000 |
| PUC-001 2K PU Coating - Startpack    | 140150000 |
| PUC-001 2K PU Coating - 3-Pack       | 140151000 |
| PUC-001 2K PU Coating - 5-Pack       | 140152000 |

## Use

- Apply to a clean and stable substrate. If necessary, first clean with Multifoam and/or Safety Clean.
- Sand, remove dust and clean with Multifoam.
- Use PUP-001 PUC Primer on metal and wood, and PUP-002 PUC Primer Synthetics on coatings, varnishes and plastics according to the instructions.
- Shake the A and B components before mixing.
- Empty the small can B completely into the large can A, screw the cap onto the can and shake for two minutes. Do not dilute. Screw the can onto the TPG 210 PUC Gun.
- Completely cover the surface with a thin layer. Briefly allow to evaporate and apply the second layer: spray distance and pressure determine the texture. Do a spray test on a test piece. Pressure of 2 to 4 bar.

Remove masking tapes and protective films immediately after applying the coating.

Wait at least 15 minutes before drying in a furnace oven (at 60°C).

Clear the gun with PGC-510 PUC Gun Cleaner.

Always test first on plastics; not suitable for PP, PE and oil-rich woods. Not suitable for waterproofing or permanent immersion.

Can be painted : let PU Coating cure for a minimum of 1 hour and a maximum of 24 hours and use Novafill Flex, Novafill Flex 2 or Novafiller as a base layer.

|                    | At +20°C             | Oven (+60°C)      |
|--------------------|----------------------|-------------------|
| <b>Dry to dust</b> | <b>15-20 minutes</b> | <b>1 minute</b>   |
| <b>Hand dry</b>    | <b>3-4 hours</b>     | <b>30 minutes</b> |
| <b>manipulable</b> | <b>24 hours</b>      | <b>1-2 hours</b>  |
| <b>Fully cured</b> | <b>7 days</b>        |                   |