

Directions For Use

NewPro pro.Glass® Clear 111

NewPro pro.Glass® Clear 111 is a solvent/water-based protective coating for clear glass.

NewPro pro.Glass® Clear 111 forms a water- and oil-repellent layer on the glass surface, which also acts as a barrier against limescale.

It protects glass surfaces that are regularly exposed to water, prevents the build-up of limescale and keeps the glass in brilliant condition, looking like new.

For best results, proceed as described below:

1. Cleaning the pane

- Ensure that the pane is completely dry and free of soilings (e.g. fingerprints).
- If the glass is coated directly after its production, after the heat soak process or after toughening, a complex cleaning of the pane is not necessary.
- If the glass was stored for a longer time, it must be cleaned for example with a glass washing line.
- With NewPro pro.Glass® Clean 301 an optimal pre-cleaning of longer stored or heavy soiled glass is possible (see separate directions for use).
- Ensure that the pane is completely dry and clean – if necessary, wipe with a little spirit.

2. Manual application of NewPro pro.Glass® Clear 111

- Adjustment of the air brush (e.g. SATAjet RP, Nozzle MSB 1.3).



Jet: $\frac{3}{4}$ open

Adjustment of needle: one revolution open

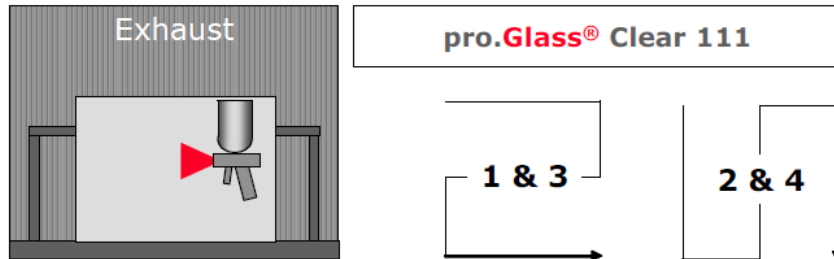
Overall air: completely open

Spray pressure: 2.5 bar

Pressure: free of oil and water

Quantity of air delivered: 350 NI/min

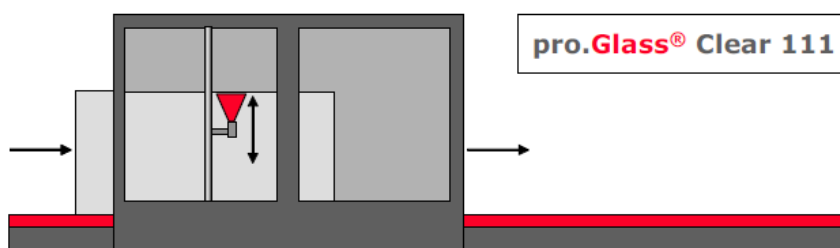
- Wearing of inhalation protection is necessary because of aerosols. Be sure of efficient exhaust and explosion proof.



- Speed:
20 cm/s, width of spray beam: 20 cm; distance between airbrush and pane: 25-30 cm.
- Coating of surface for two times crosswise: horizontally and vertically alternating!
- Only a very thin film has to be sprayed on the surface – **avoid the formation of droplets or of a wet surface!** It is better to apply small amounts of material in several steps than applying a bigger amount in one step.
- **Check:** you should have used up about 50 g NewPro pro.Glass® Clear 111 per m²!
- Ambient and surface temperature: 10°C – 40°C (50°F – 104°F). Air humidity 60 % maximum.
- Within 10 min after the application the pane should not be cleaned with a wet rag. Glass cleaners or glass washing lines should be used after at least 1 h after the application.

3. Machine application of pro.Glass® Clear 111

- For the automatic application there are several solutions available, from a simple coating module up to a fully integrated coating line including the pre-cleaning.
- Be sure of efficient exhaust and explosion proof.
- Recommendation: The spray coater can be delivered by NewPro. Existing manufacturing facilities can be adapted to apply pro.Glass® Clear 111.
- Only a very thin film of pro.Glass® Clear 111 has to be sprayed on the surface.
- Check: you should have used up about 20 – 50 g pro.Glass® Clear 111 per m²!
- Ambient and surface temperature form 10°C – 40°C (50°F – 104°F). Air humidity 60 % maximum..
- In ideal case, only a thin grey should remain on the glass, no droplets!
- If too much material is used, clean with wet rag soonest one hour after application.
- Glass detergents should also be used not earlier than an hour after coating.



4. Checking for coating efficiency (drop test)

Water on the coated pane should collect into droplets and should not spread out into a uniform film.

5. Ambient considerations

High air humidity can delay the formation of the hydrophobic effect.

6. Cleaning coated panes

- There is no need to use aggressive (highly acidic or alkaline detergents, scrubbing fluids) detergents.
- If anti-stick effect weakens over time, clean pane with a sponge and a mild (e.g. vinegar-based or neutral) detergent.
- Note that regular cleaning with a mild detergent is necessary; in sanitary applications, remove water residues regularly with a rubber wiper.
- Note that mainly coating which has not yet set can be damaged by micro-fibre rags.

Read carefully:

The information on this data sheet is based on the current status of technical development as well as our experience with the product. However, given the variety of surfaces and ambient conditions, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care, that our product is suited for the intended purpose, surface and application conditions. Note in particular, that we accept no liability in cases where we have not explicitly stated application purposes and types of use.

Directions For Use

NewPro pro.Glass® Clear 111

This information is provided to users of **NewPro pro.Glass® Clear 111** to explain the steps to be followed at the time of applying the coating. These notes are also intended to provide additional information on material properties and address common questions.

1. Cleaning the pane

- Pre-cleaning the pane with NewPro pro.Glass® Clean 301 is the optimum and ensures that the surface offers optimum adhesion to the coating; the fluid removes all residues, particularly those containing silicon. Silicon compounds are frequently used in cutting fluids in production.
- To check that the surface is clean, spray some water on the surface: the water should form a uniform film and not collect into droplets.
- If droplets are formed, this is a clear indication of the presence of dirt and grease or residues of an existing coating.
- Even if existing coatings cannot be stripped with NewPro pro.Glass® Clean 301, it is still possible to apply NewPro pro.Glass® Clear 111.
- Wiping the pane with a little bit of spirit or alcohol will remove traces of the cleaning fluid and residual water which could affect coating quality.

2. Application of NewPro pro.Glass® Clear 111

- Due to the fact that aerosols are harmful, an exhaust system should be used in production.
- If an existing spray coater is used, silicon residues in the machine have to be removed before using NewPro pro.Glass® Clear 111. Silicones can reduce the adhesion of the coating material on the glass.
- The adjustment of the spray coater can be accompanied by NewPro.