

1C Perma Coat

Description	1C Perma Coat is a transparent 1-component coating based on methanol and Silanes that forms an ultra-thin protective micro layer. The nanotechnology-based coating is a monolayer system made in one pass.
Purpose	1C Perma Coat can be used for surfaces which over the years have been subject to pollution and/or discolouration.
Applications	Aluminium siding Powder coated surfaces Steel surfaces Trespa siding Plastics
Main features	Discoloured parts get in most cases their original colour back. Long-term protection against pollution. (5 years). Long-term protection against weathering by UV and weather conditions. Maintaining long lasting shine. Dirt no longer adheres to the surface and is easy to remove. Product is silicone free.
Processing advice	Surface must be dry and free of grease, oil and dust. For removing any deposits and/or fats we recommend the following steps:
Cleaning	Shake Cleaner before use. Apply by spraying. Clean with a nano microfiber cloth or a soft cloth, sponge or brush. If desired rinse with water and dry large surfaces with a wiper. For additional information, please see the product sheet cleaning "Cleaner."
Instructions	After drying, apply 1C Perma Coat by a professional in your neighbourhood. Do not do this yourself if you do not have any experience of working with coatings. Use of XVLP or HVLP installation with a spray nozzle of 0.7 ~ 1 mm is advisable for an equal thickness of the coating. Apply first a thin layer coating which, while still wet, followed by a next layer. Large surfaces should be worked in smaller portions. If one does not have a spray installation, 1C Perma Coat can also be applied with a melamine sponge. The desired result depends on the extent to which specializes in this process. The maximum process time is 20-30 minutes, depending on the surroundings. When too much or spilled product is used, it can be remove with methanol within <u>15 minutes</u> .

Attention!	Before you start, always test first on a small surface (0,5m ²) on a non-visible place. Please note: do not apply in direct sunlight, wind or rain. Do not leave packaging open during application.
Cleaning and Maintenance	Treated surfaces should be cleaned with a nano microfiber cloth and Conditioner from Chemona or a mild cleaner where no abrasives, acids and/or biocides are added. For a streak-free result this cleaner can best be diluted with osmosis (lime-free) water.
Processing times	Processing time : 20-30 minutes at 23°C/55% relative humidity Dust dry : 90 minutes at 23°C / 55% relative humidity Through drying stage : 6 hours Fully dry : 48 hours
Brush/Roller	Recommended roller: Melamine sponge
XVLP spray equipment	Dilute :- Nozzle : stand 5 Air volume : 50 to 70% Cleaning of tools : Methanol
Colour and Glaze	Transparent. Dries colourless. Visible, satin.
Packing	Bottle of 250 ml, 1L, 5L, en 10L
Consumption	Theoretical yield: 40-60 m ² p/ltr (1 layer) The indicated consumption is a guide value that can differ depending on the nature of the base and processing. Exact consume can only be determined per project by means of sampling units.
Application conditions	During application of the 1C Perma Coat, the maximum humidity is up to 85% and the temperature of the surface to be treated is a minimum of 5 °C above the dew point.
VOC content	EU limit value for this product (cat. A/j); 500 g/l (2010). This product contains up to 500 g/l VOC and is solvent-rich. As for interior professional use, it does not meet to the requirements of the Health & Safety (arbo).
Exposure Controls	Care for a suitable ventilation in the processing area.

Personal Protective Equipment

Gloves. Safety glasses. Protective clothing.



Hand Protection

The choice of a suitable glove depends not only on material, but also on other quality characteristics and varies from manufacturer to manufacturer. Appropriate chemical resistant gloves (EN 374) also during longer direct contact (recommendation: protection index 6 in accordance with > 480 minutes permeation according to EN 374): e.g. nitrile rubber (> = 0.4 mm), butyl rubber (> = 0.7 mm) and others.

Eye Protection

Wear safety glasses with side protection according to EN 166

Skin and Body Protection

Wear suitable protective clothing

Respiratory System Protection

Normally a personal respiratory system protection is not required. In case of risk of excessive formation of dust, wear a suitable dust mask.

Other information

Do not eat, drink or smoke during use.
For additional information please check the MSDS sheet.

Note: This product sheet was compiled based on the latest state of technology and our experience. Given the large variety of surface and object conditions, we accept on base of the content of this information no liability. The purchaser/user is end responsible to evaluate our materials by an expert on their suitability for a particular surface in its specific circumstances. At the appearance of a new edition of this product sheet the current information will be invalid.