



PRODUCT GROUP 400

Series 482-5700 (-/MT)

2-C-H₂O Protection Varnish



Water dilutable, chemically bonding protection varnish to optimize resistance of inkjet-printings onto foils, banners, meshes, canvas and much more. This highly flexible and NMP-free protection varnish is available in a glossy (Series 482-5700) or in a mat version (Series 482-5700/MT).

The used basic raw materials are in particular chosen for higher requirements, so that together with hardener, Series 482-HDA (mixing ratio 10:1), a noticeably higher resistance will be reached. Outdoor resistance tests as well as years of experience show, that "aging-damages", caused by UV-influences can extremely be caught up! To reach this goal, the printings to be lacquered must be free of solvents (solvent retention) because this could lead to a reduced adhesion of the protection varnish!

This 2-component varnish is not suitable for (Inkjet-) printings with water-, oil- or Ecosol based inks because of possible problems in regards to bonding and adhesion.

Adding hardener Series 482-HDA to the easyPROTECT systems, Series 482-5700 (-/MT) – mechanically stirring – until you have a homogeneous, bonded mixture. Afterwards, that means after approx. 15 mins "setting time", the lacquer is best for use; any foaming which may have occurred is disappeared and rheology (flow properties) are stabilized. For roll/painting applications, the viscosity should be 40-50 seconds (DIN-4 Ford cap / 23°C). To avoid foreign particles in the lacquer, filtration through a filter mesh is recommended before applying. To reach the optimal protection, approx. 80 µm (wet) should be applied; this corresponds to approx. 25 g/m² of dry film thickness.



SUBSTRATES

Soft-PVC / Rigid-PVC	Polystyrene	Paper, paperboards, cardboards	Vinyl based textiles
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USE

Application	Plastics in the field of advertisement or for displays, on canvas, Vinyl- or Polyolefin self-adhesive foils, signals and construction site advertisements/banners, for outdoor use but also for industrial applications.
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	-
Drying / Curing	Substrates, treated with the easyPROTECT protection varnish Series 482-5700 (/MT) and air dried at room temperature (20-25°C) are grip resistant after 2-3 hours, however, not yet completely cured. Complete curing of the lacquered media is only reached after a period of at least 48 hours at room temperature. Drying can considerably be speeded by use of a hot air ventilation (approx. 50°C). The final resistances are completely reached after 5-7 days.
Further Processing	Punching, cutting, laminating



ADDITIVES

Thinner (spray application)	Tap water Series 400-377	Addition Ratio	5 % by weight 20-30s, DIN-4 / 23°C
Retarder	Series 400-018/09	Addition Ratio	5 % by weight
Hardener	Series 482-HDA	Addition Ratio	10 % by weight



VARIOUS

Delivery Conditions

1 kg / 5 kg / 20 kg

Other

See also separate data sheets with application directions!



Disclaimer

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (03/2009)



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