

Series 482-6700

easyPROTECT 2.0 – Highly Resistant 2C Protection Varnish, water-based

High-gloss, chemically cross-linking and very resistant protective coating to increase the longevity of inkjet prints. Typical applications include tarpau-

lins, advertising banners, films and fabric mesh used outdoors.

Applications

- › Tarpaulins for trucks
- › Advertising banners
- › Stand-up displays
- › Facade coverings

Substrates

Substrate	Rating	Hints
Digital printing films (PVC)	★★★★★	Dependent on the used printing ink technology*
PVC tarpaulins	★★★★★	
Polyester tarpaulins	★★★★★	
Sails / canvas (PC)	★★★★★	
Wood	★★★★★	
Textiles	★★★★★	

* pre-testing recommended / extensive testing was conducted on 3rd Generation HP Latex Inks

Legend ★★★★★ Very well suited ★ Detailed pre-tests necessary

Note: As material quality can vary, we can only offer our recommendations. These recommendations and evaluations should not exclude customer tests.

Properties / Characteristics

Feature	Rating	Hints
Alcohol- and gasoline resistance	★★★★★	
Alkaline cleaners	★★★★★	
Flexibility	★★★★★	
Gloss	★★★★★	High gloss (mat version: Series 482-6700/MT)
Light fastness	★★★★★	
Resistance against marking	★★★★★	
Pigmentation	★★★★★	
Temperature resistance	★★★★★	
Drying	★★★	
Water resistance	★★★★★	
Weather resistance	★★★★★	

Legend ★★★★★ Very good product properties n/a No information available
 ★ Product properties not available

Product Range

Article	Description	Article	Description
482-6700	2C Protection Varnish, high gloss	482-6700/MT	2C Protection Varnish, mat

Auxiliaries

Thinner	Tap water	Addition ratio	5–15 % by weight
Retarder	Series 400-018	Addition ratio	5–10 % by weight

Hardener

	Series 482-HDA
Application	Universal
Addition ratio	10:1
Reactivity	Medium reactivity from 20°C

Processing

The hardener Series 482-HDA is to be added to the varnish under mechanical stirring. Please stir until a homogeneous mixture is obtained. After stirring, the varnish must defoam for at least 30 minutes. The mixture should then be sieved through a filter gauze to remove any dirt and crumbs. The optimum viscosity for rolling, brushing or spraying the varnish is 30-40s (DIN cup 4mm / 23 °C).

Drying

The 2C protection varnish will be touch-dry after 2 to 3 hours, but not fully cured. The varnished substrates must be left to air dry for at least 48 hours (ambient temperature 20°C). Drying can be accelerated using a tunnel dryer at a temperature of 50 to 80°C.

Curing

Cross-linking of the 2C protection varnish depends on the temperature and layer thickness. A minimum temperature of approx. 20°C over a period of 5 to 7 days is required to develop maximum resistance. By increasing the temperature, the ink film will cure more quickly and chemical resistance will be achieved sooner. It is essential to ensure that the temperature does not fall below the specified minimum in the first 48 hours. An increased moisture supply during the drying phase can permanently damage the ink film.

Pot life

The protection varnish has a pot life of 4-8 hours, depending from the hardeners used and depending on environmental conditions.

Cleaning

Series 400-BRS, Series 400-URS

Further processing instructions

For further processing instructions please refer to the "[Application Guide for water based UV protection varnishes](#)" and the "[FAQ water based UV protection varnish](#)".

Others

Delivery	1 kg / 5 kg / 25 kg
Certificates / Standards	www.printcolor.swiss/certificates
Other	Stir well before use.
	Information on shelf life can be found on the cover label.

Safety Information

Actual Material Safety Data Sheets according to EC-Regulation 1907/2006 are available for all products mentioned in this data sheet.

Issued on	Revised on	Edited by	Version
16.03.2017	31.5.2023	T27 / T12 / T16 / T30	2

Important Information

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.