

Series 482-5700

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

* pre-testing recommended

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 482-5700/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
482-5700	2C Protection Varnish, high gloss	482-5700/MT	2C Protection Varnish, mat
482-5700/AR	2C Protection Varnish, anti-slip		

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

Preparation

Add the Series 482-HDA hardener to the varnish and stir mechanically. Keep stirring until you get a homogeneous, low-viscosity mixture. After stirring, leave the varnish to defoam for at least 10 minutes. Then sieve the mixture through a filter gauze to remove any dirt or crumbs. The optimal viscosity for rolling, brushing or spraying the varnish is 25 s (DIN cup 4 mm/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

Please contact us for further processing instructions.

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	22.01.2018	T27 / T12 / T16	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.