

Product Range

Article	Description	Article	Description
480-5800	1C protection varnish, glossy	480-5800/MT	1C protection varnish, mat

Auxiliaries

Thinner*	Series 400-377	Addition ratio	5-10 % by weight
Thinner	Tap water	Addition ratio	5-10 % by weight
Retarder	Series 400-018/09	Addition ratio	5-10 % by weight

*Spray thinner – spray viscosity: 20-30 s (DIN cup 4 mm/23°C)

Preparation

Stir the paint well before use. After about five minutes, the varnish is defoamed and should then be sieved through a filter gauze to remove any foreign matter or crumbs. The ideal viscosity for rolling and coating applications is 25 s (DIN cups 4 mm/23°C). In order to achieve an optimal protective effect of the varnish, a wet film thickness of approx. 80 µm should be applied.

Drying

The 1C protection varnish will be touch-dry after around 2 hours and fully dry after 24 to 48 hours.

Common parameters for drying are:

Air	Physical drying
Dryer	Oven, IR dryer, continuous dryer

Curing

Cross-linking of the 1C protection varnish depends on the temperature and layer thickness. In order to achieve maximum resistance, a minimum temperature of approx. 20°C is required over a period of 24 to 48 hours. By increasing the temperature, the ink film cures faster, and resistance is achieved sooner and will be higher. It is essential that the temperature does not fall below the specified minimum in the first few hours. An increased moisture supply during the drying phase can permanently damage the ink film.

Cleaning

Series 400-BRS, Series 400-URS

Other

Delivery	1 kg / 5 kg / 25 kg
Certificates / Standards	www.printcolor.ch/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	-	T21 / T12	1

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.