

Series 573-077

UV Phosphorescent Binder

Series 573-077 is a fast curing binder which was developed as a carrier for phosphorescent pigments and for a very high filling with pigments. Even with an addition of up to 70 % by weight of commercially available afterglow pigments and very high application thicknesses, the color and luminous effect of the pigments is not negatively influenced by the binder. Also, the film still shows good flexibility and adhesion.

In addition to special wetting and dispersing agents, the binder contains specifically acting anti-settling components, which greatly reduce the separation of liquid components and effect pigment. The printed substrates can be further processed without any problems and due to the high elasticity, die-cutting or cutting is possible despite the very high layer thickness.

With this binder, the customer is free to add his own pigments. However, we also offer ready-made phosphorescent inks, such as Series 560-PHQ47/ECO.

Attention: Depending on the pigments used, there may be significant differences in adhesion.

Specifications

Thinner	Series 500-017
Addition ratio	5–10 % by weight (if required)
Retarder	-
Addition ratio	-
Hardener	-
Addition ratio	-
Cleaner	Series 500-URS
Mesh	43.80 to 21.70 PET 1500 (1-2 printing cycles depending on the desired luminance)
Curing	400-500 mJ/cm ² (Technigraf Integrator)
Substrates	Soft PVC, rigid PVC, polystyrene and modifications, coatings
Indoor / outdoor use	Indoor; outdoor only with suitable protective coating
Further processing	See description
Overprintability	Possible after preliminary testing.
Available quantities	1 kg, 5 kg, 20 kg
Shelf life	12 months
Others	Stir well before use. Protect from direct light.

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 (T30 / 08/2020).