

Series 655

Solvent-based 2C Screen Printing Ink for Plastics, High Opacity

Series 655 is a user-friendly screen printing system designed for technical and industrial applications on plastics. Series 655 meets the highest demands for chemical resistance and climate stability. The specific solvent formulation prevents stress crack corrosion under normal processing conditions.

- › **High Opacity:** Series 655 stands out due to its extremely high opacity. It is formulated with highly durable raw materials, making it ideal for printing on various plastics, particularly in the areas of control panels and keyboards.
- › **Great Durability:** The opaque ink film provides excellent mechanical protection while offering superior abrasion resistance.
- › **Versatile Applications:** Suitable for both decorative and functional applications, such as printing on PMMA in the household appliance sector, double-sided stickers, general reverse printing, and front foils.

Remarks:

For enhanced adhesion, particularly on rigid substrates, and improved water resistance, it is recommended to **add a hardener** Series 600-HDI or Series 600-HDA (addition ratio: 10 % by weight) or Series 600-HDS for household appliance panels.

Series 655 dries quickly by physical means, while maintaining a pot life of more than 12 hours, depending on the color and quantity.

The final curing can be achieved by either **baking** for 30–45 minutes at 140–160°C or **air drying** for approx. 72 hours under standard conditions.

Specifications

Thinner	Series 600-017
Addition ratio	10–15% by weight
Retarder	Series 600-018
Addition ratio	10–15% by weight
Hardener	Series 600-HAD, Series 600-HDI, Series 600-HDS
Addition ratio	10–15% by weight
Cleaner	-
Mesh	43.80 Y PW PET 1000 to 120.34 Y PW PET
Drying / Curing	Jet / air / optional oven curing (140–160°C)
Substrates	PMMA, polycarbonate, flexible and rigid PVC, coated polyester
Indoor use / outdoor use	-
Further processing	Die-cutting, cutting, laminating (hardener may be required)
Over printing	-
Available colors	-
Available quantities	1 kg, 5 kg, 25 kg
Shelf life	
Others	Stir well before use.

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 (T31 / 04/2025).