

Foaming Ink, Series 658

3C Screen Printing Effect Ink

This foaming ink is suitable for printing on materials that withstand a thermal stress of 110°C up to 135°C. Adhesion must however be reviewed from case to case. The foaming ink Series 658 is purely an effect ink for decorative purposes. Haptics and the uneven structuring effects have specially been adjusted to imitate the effect of snow.

Please note that the effect does not withstand high mechanical stress.

For printing of finer designs such as lettering, use of mesh 43-80 Y PW PET 1000 with a capillary stencil (> 80 µm) is recommended. For full-area printing, a mesh of 21-34 or even coarser should be used. The printed substrates should be placed in the oven for drying, just a few minutes after printing has been completed. The baking temperature must be between 110°C and max. 135°C. Baking time should be at least 10 minutes, depending on thermal conductivity of the material. Exceeding the maximum baking temperature of 135°C may lead to destruction of the desired effect. Difficult substrates such as glass, Series 751-05 with 5% 700-GL could be used as primer.

Recommended Mixing Ratio

Series 658-05	ST varnish	60 parts (in weight)
Series 10-05277	Foaming powder	40 parts (in weight)
Series 600-HDA	Hardener for outdoor use	35 parts (in weight)
Series 10-03432	Retarder	5 parts (in weight)

Specifications

Thinner	-
Addition ratio	-
Retarder	See above
Addition Ratio	See above
Hardener	See above
Addition Ratio	See above
Cleaner	-
Mesh	Fine designs: 43.80 / Full areas: 21.34
Drying	1 hour at 110°C or 3 weeks at room temperature
Substrates	Glass, Metal, PBT, polycarbonate
Application (indoor / outdoor)	indoor
Further processing	-
Overprintability	-
Delivery	1 kg / 5 kg / 25 kg
Shelf life	See container lid
Other	Foaming within approx. 10 minutes at 110°C up to 135°C

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. (T06 / 09/2015)