



SILKFLEX EMOSS EMB-501

Non-toxic Water-based Elastic Puff Ink for Textile Silkscreen Printing

Type	Chemical Composition	Supplied Form	Ionicity	pH
Silkflex Emboss EMB-501	Binder + Puff Capsule	High viscosity off-white paste	Anionic	>7

Properties

Silkflex Emboss EMB-501 is a highly effective puff ink with elastic properties for silkscreen printing on cotton and polyester-based fabric. Unlike conventional puff inks, Silkflex Emboss EMB-501 is formulated to be self-crosslinking and tack free. Hence, it provides excellent anti-block properties and will not adhere to the surface of other Silkflex inks (Premium rubber inks or Elastisol series) even after prolonged contact with the latter provided that the proper curing/drying procedure is followed. The Emboss ink is environment friendly and is completely free of the following chemicals : formaldehyde, phthalate, azo, lead, chromium, mercury, nickel, tin, chromium and alkyl phenol ethoxylate (APEO). Silkflex Emboss EMB-501 can be used as supplied or mixed in any ratio with Silkflex rubber inks or Silkflex Elastisol. The Silkflex Emboss EMB-501 provides puff prints with smooth surface, excellent soft feel and exceptional wash resistance.

Application Procedure

Silkflex Emboss EMB-501 can be used directly or mixed with Silkflex inks; rubber inks, Elastisol or Aquanylon inks. A ratio of 30-50% of the Silkflex Emboss EMB-501 with suitable Silkflex inks is normally sufficient. Allow prints to air-dry completely (~6 hours) before heat curing. Provide a temperature of at least 150°C in order to ensure effective reaction of the puff process. Heat curing can be carried out by the heat press method or by using a conventional oven. Do not apply excessive pressure for prolonged periods of time in the heat press method because it may cause irreversible collapse in the structure of the resultant puff print.

Storage

Do not exceed six months from date of manufacture. Protect from frost (>5°C). Keep lids tightly closed at all times after use.