



SILKFLEX POLYMERS SDN BHD (545022-T)

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AQUANYLON WHITE/CLEAR

Water-based Highly Durable Binder Paste for Silkscreen Prints on Nylon Fabric

Type	Chemical Composition	Supplied Form	Ionicity	pH
Aquanylon White	Titanium dioxide + binder	High viscosity white paste	Anionic	>7
Aquanylon Clear	Binder concentrate	High viscosity pale yellow paste	Anionic	>7

Properties

Aquanylon White/Clear are formulated to provide excellent adhesion and durability on nylon-type and polyester-based fabric. If printed correctly, prints should be able to withstand a wash cycle of 5 x (60°C water/200 g detergent/1hour agitation) without any sign of peeling, cracking or discolouration. Consequently, Aquanylon White/Clear are suitable for premium quality prints on branded goods. Aquanylon White/Clear are also environment friendly and free from conventional toxins (a copy of our warranty letter is available upon request). Unlike conventional nylon inks, prints with Aquanylon White/Clear are smooth, soft and does not cause wrinkling of the base nylon fabric. In addition, Aquanylon White/Clear prints are fast drying and water-based, and consequently are suitable for tone/process and multi-coloured prints on nylon fabric.

Aquanylon White – Highly opaque and flexible with brilliant white tone. Suitable for prints on dark fabric.

Aquanylon Clear – Transparent and flexible. Suitable for colour prints on white and light colour fabric. Well suited for process and tone colour prints. Aquanylon Clear can be mixed with Aquanylon White in any proportions as per requirement.

Application Procedure

Aquanylon White/Clear should be mixed with 3-5% of Part B before printing (i.e. 100 g of Aquanylon White or Clear or mixture with 3-5 g of Part B). This mixture with Part B will provide a pot life of approximately 8 hrs. Standard batches of colour pastes can be prepared by mixing the colour pigments with Aquanylon White or Clear or combination without the addition of Part B. Part B is added only right before the printing process. Aquanylon White/Clear are thixotropic and can become more viscous when left standing for prolonged periods of time. However, the viscosity will reduce with stirring or agitation during the usual process of printing. Small amounts of clean water can be added to reduce viscosity if necessary. Aquanylon White/Clear are suitable for silkscreen prints with screen mesh sizes of ~120. After drying, the prints are fully cured at 135-140°C for ~2 min. Allow 24 hrs. after heat curing before evaluation of the prints.

Storage

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