



## TECHNICAL BULLETIN

### Textile Processing Compound

Let You LEAD The Process

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#### Deep Shade - AQ Plus

Blooming Agent

**Deep Shade - AQ Plus** is the highly concentrated special reactant type finishing agent which imparts excellent bright & deep colour effect for fabric.

#### Uses

**Deep Shade - AQ Plus** gives excellent deep redder / bluer colour effect especially for deep shades. It can be used on all types of fibres and their blends. It shows minimum effect on handle, shade and light fastness. It does not affect Sewability of PES.

Feature	Benefits
<ul style="list-style-type: none"><li>○ Excellent colour deepening effect</li></ul>	<ul style="list-style-type: none"><li>○ It gives a very dark colour effect to deep shades like black and make it jet black</li></ul>
<ul style="list-style-type: none"><li>○ Universal applications</li></ul>	<ul style="list-style-type: none"><li>○ It can be applied on cotton, polyester and its blends</li></ul>
<ul style="list-style-type: none"><li>○ No effects on fasteners properties</li></ul>	<ul style="list-style-type: none"><li>○ It does not have any adverse effect on fastness properties of fabrics</li></ul>
<ul style="list-style-type: none"><li>○ Special acryl resin-based formulation</li></ul>	<ul style="list-style-type: none"><li>○ It is much better in performance as compared to silicone-based products without any negative impact on fabric properties</li></ul>

#### Application

The optimum dosage depends upon type of fabric, construction, weight, required performance and procedure. It is recommended to use **Deep Shade - AQ Plus** as below

1. Padding **Deep Shade - AQ Plus** - 2 ~ 3% soln. (at room temperature)
2. pH range of finishing bath is adjusted at 4.0~5.0. . In case of using together with another finishing agent, the enough pre-test must be performed.
3. Squeezing - Squeezing is necessary, because of preventing from unlevel adsorption.
4. Curing - 140°C for 1~2 min

## Properties

Chemical Constitution	Acryl Based Resin Emulsion
Physical form	White emulsion
pH (aqueous solution)	6.5 ± 0.5
Specific gravity at 20° C	Approx. 1.00 g/cm <sup>3</sup>
Solubility	Readily dispersible in water
Storage Stability	<b>Deep Shade - AQ Plus</b> is stable for 1 year, when properly stored in closed containers at 20°C.
Ecology/Toxicology	The usual hygiene and safety rules for handling chemicals should be observed in storage and use. The product must not be swallowed.

**The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and colour intensity is not an indication of product strength.**

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

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