

## BOMOPRINT FIX 102 W

### Characterization

Fixing agent for hot-curing, aqueous screen printing pastes and flock adhesive dispersions. For improvement of the fastness level of print and flock effects and transfer systems

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### Chemical Structure

Melamine resin derivative

### Supplied Form

Colorless, viscous liquid

### Ionic Character

Non-ionic

### pH Value

7.5 - 9.5

### Solubility

BOMOPRINT FIX 102 W is miscible with water at any ratio.

### Storage

If stored properly in a cool place, between +5°C and +25°C in closed original containers, the product will hold for at least 12 months. Protect from frost and excessive heat. Opened containers have to be closed again tightly.

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The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

## Properties

### Influence on Printing Result / Flocking / Fastnesses

Additions of BOMOPRINT FIX 102 W improve the fastness level of hot-curing screen printing pastes and flock adhesive dispersions as well as of aqueous transfer systems. Due to the strong cross linkage of printing inks or adhesive films, the wet-rubbing and washing fastnesses as well as the dry cleaning stability of print and flock effects are considerably increased; the adhesion on problematic substrates is improved as well.

With aqueous transfer systems BOMOPRINT FIX 102 W causes a strong bonding between the layers.

If higher application amounts are applied, BOMOPRINT FIX 102 W may reduce the viscosity of printing inks or flock adhesive dispersions; if necessary the production parameters have then to be modified. If need be, the viscosity can be corrected by thickening agents.

The addition of BOMOPRINT FIX 102 W, especially in higher concentrations, may reduce the elasticity of adhesive films or result in a full handle in textile screen printing.

## **Other Properties**

BOMOPRINT FIX 102 W accelerates the cross linkage of adhesive and binder systems and reduces thus the storability of the pastes, especially at increased storage temperatures. Therefore, we recommend to add BOMOPRINT FIX 102 W only just before processing and to use up the paste quickly.

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## **Application Procedure**

### **Fields of Application**

BOMOPRINT FIX 102 W serves for the improvement of hot-curing screen printing pastes, flock adhesive dispersions as well as water based transfer systems. The product is specially applied for increasing the wet or wash fastnesses as well as the dry cleaning stability.

### **Recommendation for Use / Processing**

#### **Application Amount**

Generally 1.0 – 10.0 % of BOMOPRINT FIX 102 W is applied; in screen printing pastes 1.0 – 6.0 % are usual, with flock adhesive dispersions 2.0 – 10.0 % or with flock transfer systems 2.0 – 8.0 %.

We recommend stirring in homogeneously the BOMOPRINT FIX 102 W into the prepared printing pastes or adhesive dispersions by means of suitable stirrers just before processing. Pastes already mixed with fixing agent have to be processed without delay and should be used up within one working day.

Please see further recommendations for use in the technical leaflets of the basic product applied.

Before going into production we recommend making it a rule first to test the suitability of the product in printing pastes and flock adhesive pastes as well as the processing parameters and the influence on the final result and also to control everything during production.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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