

## BOMOPRINT FIX 104 W

### Characterization

Low temperature reactive fixing concentrate for heat setting, aqueous screen printing pastes and flock adhesive dispersions. For improving the fastness levels of print effects, flocking and transfer systems, even at reduced fixing temperatures.

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### Chemical Structure

Polyaziridine

### Supplied Form

Low viscous, clear, colorless to slightly yellowish liquid

### Storage

If stored properly in a cool place between + 5 °C and + 25 °C in closed original containers, the product is stable for at least 6 months. Store in a cool and dry place, protect from humidity and keep away from sources of ignition. Opened containers have to be closed with an airtight seal.

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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 / Fastness levels

Additions of BOMOPRINT FIX 104 W improve the fastness level of selected heat setting screen printing pastes, flock adhesive dispersions and aqueous transfer systems. Especially with a fixation below 120 °C which is normally insufficient, the addition of BOMOPRINT FIX 104 W still leads to good cross linking properties, which considerably improves the operative safety with fixations within the limit range or, in case of heat setting printing paste systems, makes a low temperature fixation possible at all.

### Influence on Viscosity / Rheology

With the usually recommended application amounts (0.5 – 4.0 %) BOMOPRINT FIX 104 W does not essentially change the behavior of the printing pastes or flock adhesive systems.

### Influence on Film Properties / Handle

In general, the handle and elasticity are not changed when adding the recommended amounts.

### Other Properties

BOMOPRINT FIX 104 W already accelerates the cross linking of adhesive and binder systems at low temperatures. Therefore, we recommend to add BOMOPRINT FIX 104 W only just before processing and to use up the paste fast, possibly within 4 hours.

## **Application Procedure**

### **Fields of Application**

BOMOPRINT FIX 104 W serves for improving the fastness levels of various heat settings screen printing pastes, flock adhesive dispersions as well as water-based transfer systems - especially if the required fixing temperatures cannot be achieved or guaranteed. The product is also applied when due to the processing method or in general with heat sensitive articles a fixation below 120°C is required. After preliminary testing, a fixation through storage at room temperature is possible with various, originally heat setting basic pastes.

The product is not suitable for aqueous, low temperature screen printing pastes and flock adhesives such as PRINTPERFEKT BLANC SV-N, PRINTPERFEKT SVB 300 D-N, and TUBVINYL LC 274 H-N.

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

In general 0.5 – 2.0 % of BOMOPRINT FIX 104 W are applied in printing pastes and 3.0 – 4.0 % in flock adhesives.

We recommend stirring BOMOPRINT FIX 104 W homogeneously 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 within 4 - 8 hours.

Working utensils can easily be cleaned with water.

In concentrated form BOMOPRINT FIX 104 W is very reactive, even at room temperature. Therefore the usual precautions for working with chemicals such as protective gloves and protective glasses etc. have to be observed when working with the product. If spraying mist is formed, appropriate breathing protection must be worn. Please find further details in the safety data sheets.

**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.

**Edition: July 2007**

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