

## TUBISCREEN MET NF

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| <b>Character</b>          | Formaldehyde free*, base paste for printing with metal, pearlescent and glitter pigments.  |
| <b>Chemical character</b> | Acrylate dispersion  |
| <b>Appearance</b>         | White paste  |
| <b>Ionic character</b>    | Anionic  |
| <b>pH-value</b>           | 7.5 – 8.2  |
| <b>Stabilities</b>        | The product is very sensitive to frost; irreversible changes occur after the impact of temperatures around the freezing point.<br><br>It is sensitive to temperatures higher than 40 °C.   |
| <b>Storage</b>            | In a cool and dry place but not below + 5 °C, in closed original containers. We recommend not to exceed a storage time of 12 months. Stir the product thoroughly before use. Opened containers must be closed again tightly. Protect from frost as irreversible changes occur. |

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## Properties

TUBISCREEN MET NF,

- has good running properties and can be excellently processed with coarse pigments such as metallic bronze, pearlescent and polyester glitter pigments

- produces soft, flexible, highly brilliant prints which are stable to dry cleaning and to washing as well as to dry and wet abrasion. Even prints with aluminium bronze do not turn grey.

## Application Procedure

### Textile Substrates

TUBISCREEN MET NF can be applied to any type of textile substrate that is sufficiently heat-resistant.

### Print Paste Preparation

- The individual components given in the standard recipes should be blended thoroughly with an efficient stirrer. However, the stirring speed should not be too high.

- If necessary, the viscosity can be decreased by adding 5.0 to 10.0 % water at the most. For an increased viscosity TUBIVIS DRL 170 is added without distinctly impairing the fastness properties.
- For optimum fastnesses and a high crosslinking degree we generally recommend adding 10 - 30 g/kg TUBIFIX P 70 and 3.0 – 6.0 g/kg of an aqueous diammonium phosphate solution (1 : 2).
- For improved running properties a specific agent such as TUBIPRINT BL can be applied with 20 – 40 g/kg.

## Standard Recipes

### Metal Pigment Printing

700 – 800 g TUBISCREEN MET NF  
10 – 30 g TUBIFIX P 70  
100 – 150 g Metal pigment  
x g water / TUBIVIS DRL 170  
3 – 6 g diammonium phosphate solution(1:2)  
1000 g

Fineness of screens: flat-bed printing: 18 - 29 threads/cm; rotary printing: 40 - 60 mesh

### Pearlescent Printing

700 – 800 g TUBISCREEN MET NF  
10 – 30 g TUBIFIX P 70  
60 – 120 g Pearlescent pigment  
x g Water / TUBIVIS DRL 170  
3 – 6 g Diammonium phosphate solution (1:2)  
1000 g

Fineness of screens: flat-bed printing: 18 - 29 threads/cm; rotary printing: 40 - 60 mesh

### Glitter Printing

700 – 850 g TUBISCREEN MET NF  
10 – 30 g TUBIFIX P 70  
100 – 200 g Polyester glitter (finenes 150/175)  
x g water / TUBIVIS DRL 170  
3 – 6 g Diammonium phosphate solution (1:2)  
1000 g

Fineness of screens: flat-bed printing: 15 - 21 threads/cm; rotary printing: 17 - 25 mesh

## Printing Process

TUBISCREEN MET NF is equally suitable for being used on flat-bed, rotary or roller printing machines. The screen finenesses given with the standard recipes are guiding values and must also be noted with regard to the engraving depths depending on the pigment applied.

## Drying and Fixation Terms

Like in pigment printing the printed fabric is preferably fixed at 140 - 150 °C for 5 - 4 min after the usual drying process above 130 °C.

\* To us formaldehyde-free means that all recipe components neither contain nor release formaldehyde during production or processing.

**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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