



## HSINSOU BF Catalyst

HSINSOU BF is a catalyst treated in glyoxal resin finishing to improve its efficiency.

### General properties:

|                  |   |                                     |
|------------------|---|-------------------------------------|
| Appearance       | : | Colorless to slightly yellow liquid |
| Composition      | : | Mixture of metal salts              |
| pH (1% solution) | : | 4.5 +/- 1.0                         |
| Solubility       | : | Easy to dissolve in cold water      |

### Special features:

1. Compatibility: HSINSOU BF is compatible with most N-methyl compounds additives softeners and with those fluorescent brightening agents which are stable in the pH range 3 ~ 4.5.
2. Owing to the low pH of HSINSOU BF, finishing liquors that contain urea-formaldehyde resin or methoxy-methyl-melamine compounds are liable to have inadequate stability.
3. HSINSOU BF is therefore limited in its suitability as a catalyst for these types of cross-linkers.
4. Compared with other metal salt catalysts normally used in resin finishing, HSINSOU BF permits a remarkable reduction in curing temperature and/or a significant shortening of the reaction time.
5. For low-formaldehyde finishing with HSINSOU RN, the formaldehyde content of the goods is significantly lower

with HSINSOU BF than with other , less active metal salt catalysts.

Application:

Amounts used: 20-25% ,calculated on the quantity of cross-linker (40-50%product)

Curing conditions:

|      |           |       |              |              |              |              |
|------|-----------|-------|--------------|--------------|--------------|--------------|
| °C   | 130       | 140   | 150          | 160          | 170          | 180          |
| Time | 3.5m<br>m | 2.5mm | 80~<br>90sec | 50~<br>60sec | 25~<br>30sec | 15~<br>20sec |

Note: full evaluation is recommended prior to commercial usage.