

Hand-painting and banding media



DECOFLUX MW

Application

Hand-painting and banding media are used as paste forming vehicles for decorating and for underglaze colours. While hand-painting media are for application by hand, banding media can be applied by machine (plates). With the help of these products during preparation, **agglomerate free pastes suitable for paint application** are produced. Their use results in a **strongly adhering design** after application and drying.

The banding media further ensure an **exact transfer from the banding roller onto the rim of the plate**.

As the hand-painting and banding media offered by Zschimmer & Schwarz are free from organic solvents, **pollution of the working environment is considerably reduced**.

Mode of action

The basis of the hand-painting and banding media from Zschimmer & Schwarz is **organic polymers in aqueous glycols**. As these additives contain dispersible components, which via an equalization of surface charges cause the neutralisation of attraction forces between individual pigment particles, therefore agglomerate free pastes can be produced.

During preparation, the colour pigment is incorporated into the adhesive polymers in the media.

With the application of the paste to the ceramic piece or onto the unfired glaze, **a film is formed which has a strong bond to the surface** after evaporation of the solvent. The bond of this film is based upon the action of **adhesive forces**.

For an exact application, a **clear configuration of the banding paste** is necessary, which is achieved through the special composition of the media.