

TUBICOAT FIXIERER HT

Characterization Auxiliary for increasing the degree of crosslinking of synthetic dispersions

Chemical Structure Melamine resin with low formaldehyde content

Supplied Form Clear, colourless liquid

Ionic character Nonionic

pH Value of a 10 % Solution 7.5 – 9.5

Solubility TUBICOAT FIXIERER HT is miscible with water in any ratio.

Stability Due to its nonionic character TUBICOAT FIXIERER HT is well compatible with most of the auxiliaries commonly used in textile finishing. Preliminary trials are nevertheless absolutely necessary.

In acid medium, especially with high temperatures, a more or less rapid crosslinkage takes place depending on the application amount.

Storage In a cool place, not below +5 °C, in tightly closed original containers. We propose a storage time of not more than 6 months. Opened containers have to be reclosed tightly.

Properties

TUBICOAT FIXIERER HT is a melamine resin with several reactive groups. Therefore, it is excellently suitable for increasing the degree of crosslinking of synthetic dispersions. An increased degree of crosslinking consequently leads to a higher resistance to humidity and to solvents as well as to improved mechanical-physical properties. Thus the application of TUBICOAT FIXIERER HT is always advisable if coatings based on dispersions shall have a high fastness level.

As TUBICOAT FIXIERER HT is a fully etherified resin, it has a low content of free formaldehyde which can be separated.

Crosslinkage takes place at temperatures of more than 120 °C and is catalyzed by acid donors like ammonium salts or MgCl₂.

Application Procedure

TUBICOAT FIXIERER HT is usually applied for most of the aqueous coating pastes or foam coating. Normally it is stirred in only just before use and then a pH value of at least 8 is adjusted with a little bit of ammonia. Foamable pastes normally need a higher pH value. With this measure you can achieve a sufficiently high stability and avoid a premature crosslinkage.

Application Amounts

The application amounts mainly depend on the desired requirements and the requested fastnesses. 10 – 30 g/kg fixing agent are normally added to compounds for paste coating.

With foamable compounds like black-out coatings, microporous coatings and others usually 30 - 50 g/kg are applied.

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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