



DECOSPHAERA® TRANSPARENT HT 3 EF

Chemical description

DECOSPHAERA® TRANSPARENT HT 3 EF is a polyurethane matting agent obtained from a solvent-free industrial process.

Main use

DECOSPHAERA® TRANSPARENT HT 3 EF is suitable for the formulation of very low gloss finishes where soft effect and high slip are required, combined remarkable transparency, very good abrasion resistance and high resistance to scratch and polishing effect.

Typical values

Aspect: White powder

pH (10%): 5 - 8

Oil absorption: 70 - 120 %

Dry content: 99 ± 1

Bulk density: 300 - 500 g/l

Particle size d(50): 3 - 5 µm

Product properties

The dosage of DECOSPHAERA® TRANSPARENT HT 3 EF in the varnish depends on the desired result for matt and haptic effect.

Due to the good overall compatibility, DECOSPHAERA® TRANSPARENT HT 3 EF can be used with any type of waterborne binders. Similar characteristics can also be obtained with solvent-based paints and UV, but compatibility is to be verified at the time of use with the help of specific wetting agents.

Due to its particle size characteristics and therefore the tendency to aggregate, before use we suggest a pre-dispersion of the powder by creating a semi-finished product in water with a concentration of 20%.

Applications

It's particularly recommended when low thickness coatings are applied, like inks for flexible packaging and foils application, including water, solvent and 100% UV system. Due to its chemical and granulometric features DECOSPHAERA® TRANSPARENT HT 3 EF, used in appropriate starting point formulation, is suggested in the field of automotive and synthetic/natural leather, wood ensuring a good thermal resistance to the top coat.

Storage and handling

DECOSPHAERA® TRANSPARENT HT 3 EF is stable for 12 months after production date, provided it is kept in dry and cool areas, in original sealed boxes. Suggested storage condition is between 5 and 30°C.

Packaging

DECOSPHAERA® TRANSPARENT HT 3 EF is available in 15kg boxes.

Material safety

Please consult the safety data sheet of the product before use.

Regulatory information

In case compliance with specific regulations is required please contact our sale representatives.

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This information and our technical recommendations, if any, both verbal and in writing, are given to the best of our knowledge, without any express or implied warranty, e.g., regarding their fitness for a specific purpose. Each user of our products is the sole responsible for assessing and ensuring compliance with all legal regulations including intellectual property laws and necessary certifications and authorizations with respect to the use, combination and processing of our products. Our technical recommendations do not release the user from the obligation to check its validity and to test our products as to their suitability and fitness for the intended processes and uses. The application, use and processing of both our products and the products manufactured by the user (on the basis of our technical recommendations, if any) are beyond our control and, therefore, the user is the sole responsible for them. Detailed information and instructions on handling the products and cautions to be observed in the use of them are available in our relevant Safety Data Sheet.