

# GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

Data Sheet

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## RASTAL UV-HARD

Fillers paste for “anti-scratch” UV-curable top coats

### CHARACTERISTICS (INTERNAL METHODS)

- |                                   |         |
|-----------------------------------|---------|
| • Appearance                      | Greyish |
| • (*) Solid content (Theoretical) | 100 %   |
| • (*) UV-curable components       | 30 %    |

(\*) not present on COA

### APPLICATIONS

RASTAL UV-HARD is a fillers dispersion whose main properties are:

- increase of anti-scratch resistance;
- significant matting contribute.

RASTAL UV-HARD is recommended in combination with the usual silica, for UV-curable coatings for wood.

RASTAL UV-HARD can be used both for solvents-free or solvent-borne UV coatings.

RASTAL UV-HARD can be dispersed at any time, simply by stirring.

In order to quantify the scratch improvement, a pencil hardness difference from H (without RASTAL UV-HARD) to 5H (with RASTAL UV-HARD) has been measured. The same property, measured with the ERICHSEN PEN, gives a result of 12 Newton with RASTAL UV-HARD, against 9 Newton without it. Such results are achievable with a dosage of 15% of RASTAL UV-HARD. The same dosage leads to a gloss reduction of 7 ÷ 9%. The mentioned properties may slightly change according to the components of the coatings.

### COMPATIBILITY/SOLUBILITY

RASTAL UV-HARD is compatible with acrylic oligomers and unsaturated polyesters; it is not compatible with water-borne UV-curable systems.

RASTAL UV-HARD is soluble in acrylic monomers, styrene, ketones, acetates and aromatic solvents; it is not soluble in aliphatic solvents, alcohols, water.

However, due to the huge number of potential partners, preliminary tests are recommended.

### SHELF LIFE AND STORAGE

RASTAL UV-HARD has a shelf life of 12 months from the production date if stored in original sealed container in protected areas.

For all information related to handling and toxicological knowledge, please refer to the Safety Data Sheet.

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YEARS  
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The above mentioned data are issued according to our best knowledge and expertise yet they are provided without guarantee.

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