

INTRODUCTION

EBECRYL® 4266 is a Unsaturated aromatic epoxy acrylate. In the formulation of UV-curing and EB coatings. Without reactive thinner.

COMPATIBILITY

On account of the many possible combinations with other resins, thinners and additives, the compatibility must always be tested.

SUGGESTED APPLICATIONS

EBECRYL® 4266 is used in the formulation of radiation-cured (UV and electron beam) coatings for application by roller coating, spraying and curtain coating on wood, cork, furniture, paper, parquet and film. Depending on the application, the coating can be adjusted to application viscosity using conventional reactive thinners (mono-, di-, tri- or tetra-acrylates) or solvents such as butyl acetate. The low viscosity of the supply form means that less reactive thinner is required and the binder properties are thus retained over a wide viscosity range.

PERFORMANCE DATA

Viscosity at 23°C, mPa.s	4500 - 8500
Colour, Gardner	max. 4
Acid value	max. 2

SPECIFICATIONS

Density, g/cm ³	approx. 1.14
Flash point	> 100
Hydroxyl content	approx. 1.8%

SUGGESTED FORMULATION

Thinning with alkoxyated tri- or tetra-acrylates in the ratio 7 : 3 to 6 : 4 produces viscosities suitable for application by rolling coating. In the case of combinations of EBECRYL® 4266 with polyisocyanates (dual cure), particular attention should be given to the pot life.

Because of the many potential combinations with thinners, solvents or other substances, compatibility must be tested in each individual case.

UV curing of coatings formulated with EBECRYL® 4266 requires the addition of conventional photo initiators. Up to 5 % is added or concentrations which meet the reactivity requirements of the application. In the case of electron beam curing, good inertisation must be ensured (risk of surface inhibition).

Matt coatings can be produced using conventional matting agents. Care should be taken with respect to sedimentation which may cause the coating to gel prematurely.

STORAGE AND HANDLING

Storage in original sealed allnex containers.

Recommended storage temperature: -10°C to 35°C

Protect from intense radiation (light, UV), heat and foreign material.

Product is sensitive to moisture, skinning may occur in opened container.

allnex guarantees that for a period of 24 months following the day of manufacturing, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, whatever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the 24 months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Allnex recommends to test such a product if it still meets the specifications or the set values. allnex does not make any representation regarding the product after the lapse of the 24 months period and allnex shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the 24 months period.

STATUTORY LABELING

For Statutory Labeling information, please refer to Safety Data Sheet.