

# Dei® Resin – Synthetic Resin paints

Colouring of duroplastic materials such as UP, EP, MMA and PUR according to RAL

The range, based on the RAL colour scale, includes almost all RAL colours which are suitable for colouring in EP, UP, MMA and for the most part PUR. When using these materials in other duroplastics please consult us beforehand. We generally advise against using melamine resins.

## Fields of application:

The paints are suitable for all normal applications of these resins, ranging from the production of laminates, jackets, castings, through pultruded parts to floor compounds and polymer concrete.

This range of paints is deliberately based on pure pigment mixtures which contain no bonding agents, which in most cases exert a disruptive influence, and they can therefore be adjusted whilst remaining highly colour fast. Our synthetic resin paints are highly concentrated with optimum pigment volume adjustment, and therefore provide extremely low cost colouring, with no problems in handling.

## Processing:

The feed into the resin solution, which contains no hardener or accelerator, is carried out by normal dissolves, and the materials can be worked in together with other powdery additives, such as barium sulphate, chalk, etc. The quantity of additive cannot be generalised because of very different applications. From 0.5% for solid castings to 5% for thin coatings can be added, according to the coat thickness. The ideal quantity of additive must be determined by internal testing on sample material.

We wish to point out that additives with a strong inherent colour, e.g. chalk, marble powder, wood flour, etc., influence the colouring result. This can often be compensated for by increasing the paint

feed rate, or it is necessary to switch to a brighter or darker RAL colour. The technical properties are excellent. All paints are generally compatible with synthetic resins.

The compatibility must in any case be determined before final processing in internal tests in the system used. All paints must be resistant to temperatures of up to approx. 200°C.

## Light fastness and weatherproofness:

In the price-list you will find in Column 4 the values of light fastness according to the 8-stage wool scale (8 = best value, 0 = least value). We indicate the weatherproofness (cf. Column 5) when it is at its maximum (= w).

We do not consider a differentiated indication of weatherproofness to be sensible because too many individual aspects play a part here, which are not expressed in the laboratory values. Please also consider the fact that good light fastness does not necessary mean good weatherproofness. If you require further information on this subject our technical department will be pleased to advise you.

## Quality:

You obviously receive deliveries in tested quality. Each individual charge is tested as part of the goods exit control. On request we can document this in a works certificate.

Just tell us the RAL colours that are suitable for you and you will immediately receive from us sample material for tests under your particular operating conditions..

The information given is based on the current state of knowledge and experience. The information does not relieve the processor from his own tests and trials because of the great number of possible influences at work in the processing and use of our products. A legally binding guarantee of certain properties or suitability for a specific purpose of use cannot be derived from the information we provide. Existing laws and regulations must be complied with by the recipient of our products, under their own responsibility. We do not enter into any obligation to update the information given on the basis of amended regulations and laws or new knowledge.