

Dei®Resin Synthetic Resin colours

Colouring of duroplastic materials

Dei®
Resin

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

▶ FIELDS OF APPLICATION

Our Dei®Resin colours are suitable for **all common applications of these resins**, ranging from the production of **laminates, sheatings, castings** through **pultruded parts** to **floor coatings** and **polymer concrete**. This range of colours is deliberately based on pure pigment mixtures that don't contain

any binding agents, which in most cases exert a disruptive influence, and can therefore be very strong in colour. Our **synthetic resin colours** are **highly concentrated with optimal pigment balance** and therefore provide **extremely low cost colouring** with trouble-free handling.

▶ PROCESSING

The addition into the resin solution, which contains no hardener or accelerator yet, is carried out by **normal solvents**. The materials can be worked in together with other powdery additives, such as **barium sulphate, chalk, etc.** The amount of addition cannot be generalised due to the very different applications. From 0.5 % for solid castings to 5 % for thin coatings can be added, depending on the coat thickness. The ideal amount of addition is to be determined by own testing with sample material.

We wish to point out that additives with a strong inherent colour, e. g. **chalk, marble powder, wood flour, etc.** will influence

the colouring result. This can often be compensated by increasing the colour addition amount, otherwise it is necessary to switch to a brighter or darker RAL colour.

The technical properties are excellent. All colours are generally compatible with the mentioned synthetic resins.

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

▶ LIGHT AND WEATHER FASTNESS

In the Dei®Resin product list you find the values of light fastness according to the 8-stage Wool Scale (**8 = best value, 1 = poorest value**). We indicate the weather fastness when it is at its maximum (=w). We do not consider a differentiated indication of weather fastness to make sense, since too many individual aspects play a role here, which are not expressed in the laboratory values. **Please also consider the fact, that good light fastness does not necessarily mean good weather fastness.** If you require further information on this subject our technical department will be pleased to advise you.

▶ QUALITY

Of course, you receive deliveries in tested quality. Each individual lot is tested as part of the outgoing goods inspection. On request we can document this in a **certificate of conformity**.

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