

Dei®Wood Colour Concentrates

Masterbatches and pigment mixtures

Dei®
Wood

Our **Dei®Wood** colour concentrates offer the perfect solution for **colouring WPC** and other **natural fiber plastic composites**. Discover the raw material WPC for your products, and explore with us colour design possibilities for wood in symbiosis with plastic. Dei®Wood colour concentrates are tailored individually to suit the WPC base material depending on customer specifications to guarantee the best possible colour dispersion.

▶ DEI®WOOD MASTERBATCHES

Benefits of Dei®Wood colour concentrates:

- ◆ All **Dei®Wood** colour concentrates are available as **masterbatches** and as pure powder **pigment mixtures**.
- ◆ If required, we can add **UV stabilisers** to our Dei®Wood colour concentrates to stabilise the plastic content.
- ◆ They are made from colouring agents that offer the **highest fastness to light**.
- ◆ They guarantee excellent colour incorporation.
- ◆ The use of different carrier materials such as **PE** or **EVA** for Dei®Wood masterbatches guarantees a wide range of applications for various types of WPC.
- ◆ We supply **free samples** for initial testing under specific operating conditions.
- ◆ **Individual colour matching** is available in accordance with the RAL colour scheme or colour template.

▶ SELECTION OF COLOUR

Aside from the classic **brown and grey shades**, which are mostly used for decking, we also offer vivid **reds, blues, greens and yellows**.

The successful colouring of WPC is influenced first of all by the quality of the WPC raw material used. How the colour appears on a non-coloured moulded product, made from WPC, is influenced by the following factors:

- ◆ Type of **wood** used (**spruce, beech**, etc.)
- ◆ **Size and uniformity** of the wood fibers in WPC
- ◆ **WPC composition** (e. g. **70% wood/30% PP**)
- ◆ **Flow direction** or distribution of wood chips in the end product
- ◆ **Residual moisture** when processing the WPC

▶ RULES FOR EXCELLENT WPC COLOURING

- ◆ The higher the proportion of plastic the lower the colour addition
- ◆ The finer the wood fibers the lower the colour addition
- ◆ The finer the wood fibers the more even the colouring
- ◆ The better the flow properties the better the colour distribution
- ◆ The more colouring agent added the weaker the wood effect

Do you still have any questions? Please do not hesitate to get in touch with us. Our development team is looking forward to new challenges.