

Technical Data Sheet

Miraphen® 2C – UV- Putty

Art. group: 159 2C-UV-Putty (available in different colours and also colourless)
030-000-00010 Hardener for 2C-UV-Putty

General Info: 2-component UV-curing Putty

Qualities: **Miraphen® 2C-UV-Putty** is designed for manual application to fill the holes and branch knots. The advantage of this Putty as compared to conventional putties is the additional cross-linking obtained by adding a Hardener. Even on deep holes where the UV-curing does not reach the bottom layer, the putty is cured overnight.

Miraphen® 2C-UV-Putty shows good adhesion and high elasticity so that the Putty does not pull away from the wood when holes with a large diameter are well filled.

Miraphen® 2C-UV-Putty also has high filling properties and corresponds to DIN 4102, B1, non-inflammability as well as DIN 68861, 1B, chemically resistant.

Miraphen® 2C-UV-Putty is free of solvents and styrene and is especially environmentally friendly.

On an extra available sheet, we defined some standard colour tones for use on beech and oak. It may be helpful for you to choose a colour tone.

Treatment: Application is done by hand with a spatula or similar tool.

As a safety measure, we recommend wearing rubber gloves and protective glasses during the application.

Before application the Putty must be mixed well with the Hardener, mixing ratio 100:3.

The pot life of this mixture is about 1-2 hours at room temperature. The pot life is shorter when more Putty/Hardener is mixed and the room temperature is higher. Also the temperature (Air, Putty and substrate) and moisture could have influences to the pot life.

The holes should be thoroughly filled with the Putty mixture (apply Putty in a crisscross manner with the spatula at a flat angle forcing the Putty in the holes). The material should fill the holes completely so that the area can be sanded complete down to a flat surface after drying over night.

After application, the Putty should be treated with at least one 80W/cm mercury **or** mercury and gallium doted lamp allowing a firm film to form. The surfaces can now be stacked. If the surfaces are not UV-cured after application, they cannot be stacked and there is a danger of stronger penetration into the edges which causes the surfaces to appear darker than they really are.

The Putty should be protected from direct sunlight because **Miraphen® 2C-UV-Putty** is relatively light sensitive. Sunlight will cause a reaction, leading to gel and cured areas in the canister.

Hardener: Mix 100:3 with Hardener (Art. No. 030-000-00010). Mix well.

Viscosity: 20°C: 10-15 Pas s

Shelf Life: 3 months in an original unopened canister

Dangerous Goods Classification:

Please notice our actual Material Safety Data Sheet
Free of heavy metals, formaldehyde and insecticides/pesticides

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