

Technical Data Sheet „Theatre & Film“ (Revision 10/2016)



DEKOZELLcreative
ultralight modelling compound for stage decorations
(Rauhfaser24.de)

Product characteristics:

DEKOZELLcreative is an Ultra lightweight plaster made from 100% pure cellulose, a bi-product of wood fibre. Simply mixed with water to produce an ultra fine modelling paste, easily tinted using waterbased paint (WB) or colourant. **Astonishing capability to be completely coloured in any colour shade, even black.** Add PVA (carpenters glue) for extra durability and water resistance. Ideal for spray application using an Air texture hopper gun. Can also be applied using roller, brush, scrapper or trowel – hand trowel application is more easy with PVA glue added. This material can be used to recreate and replicate many surface finishes such as sandstone, slate, rock, bark, moss, rust/corrosion, brick-work and concrete - in fact any form or textured surface up to 6mm thickness can be achieved. Application can be made directly on Plywood, Styrofoam (Polystyrene), or canvas. Surface does not burn if applied to a suitable FR treated substrate. Long open time, once mixed should be used within 2 days. Dry material is storable for at least 10 years.

Material description:

Only pure, sustainable wood is used to produce **DEKOZELLcreative** cellulose fibre. No recycled paper or added resin. No preservatives or toxins - just 100% pure natural cellulose fibre.

Material preparation:

Standard Mixture:

Take a 65lt. bricklayers mixing tub and empty into it the content of one bag (1.9kg) of **DEKOZELLcreative**. Add 16lt. clean water plus 1lt. of standard interior (WB) paint. Blend components with a mixing paddle 16cm diameter for 3 minutes. N.B. Full bag (1.9kg) can be quartered (4 x 475g) and mixed in a standard 15lt. painter's bucket, adding 250ml. paint.

When dry the textured surface can be reactivated allowing remodelling by wetting with a brush or spatula.

For best results a full pigment Scenic paint or dry pigment can be used to colourise plaster.

Added durability & water resistance:

Before mixing: substitute 1-2lt. of the water with PVA (carpenters glue) this will create a sturdy and robust finish. Once dry surface will be fixed and impact safe.

An alternative to PVA, is to use a latex adhesive or scotch glue. On Styrofoam (Polystyrene) add a layer of linen soaked in PVA prior to coating with **DEKOZELLcreative** creates a durable walk-one surfaces.

Texture Additives:

Almost any granular material i.e. Sand, Mica, Styrofoam beads etc. can be added to further texture and enhance the surface finish and to achieve different textured effects. The ability to hopper spray the mixture maybe affected by these additives.

Application:

Spray application:

DEKOZELLcreative is a material sprayable without peer. The long opening time, its smooth homogeny consistency and the reversibility make the cellulose plaster ideal for spray application with a hopper gun. A tremendous gain in efficiency can be achieved if ones starts to use spraying and combine this application method with standard tools like trowel or scrapper. We recommend the STORCH hopper gun, model no. 63 18 01. Flush the hopper gun with water before usage. Airpressure of compressor to be between 3-4bar, 250l/min theoretical airflow at compressor intake. (Grayco and Clark also supply Hopper Guns).

Trowel / Scrapper application:

Application using trowel or scrapper is easier if a thicker cellulose plaster mix is used. Add only 13lt. of water per 1.9kg. bag, plus 1-2lt. PVA and necessary colourant. The extra glue prevents the plaster from being "slippery" when applied by hand. The open time of the material allows easy modelling

and re-shaping of the finished surface. The ability of **DEKOZELLcreative** for complete coloration can be also used for interesting effects.

Roller / Brush application:

Roller and brush application is easier using a more liquid plaster with extra binder. Mix one bag with 16lt. of water plus 1lt. paint and up to 4lt. of PVA in order to have a plaster ideal for roller and brush application. Add different grades of sand etc. and use different grades of foam rollers for different textures.

Drying time:

DEKOZELLcreative dries purely by water evaporation. The drying time will be prolonged by high relative air humidity and/or low temperatures. At + 20 °C air temperature and 65% relative air humidity **DEKOZELLcreative** will hardened after approx. 1 day for thin layers up to 1mm and 3 days for thick layers of 5mm. However, the gain in efficiency and other product advantages are so tremendous, that drying time usually becomes subordinate. Please assure that a maximum drying time of 4 days will be not exceeded as no preservatives are added to the cellulose plaster. Use of fans and dehumidifiers can help to speed up the curing period.

Refurbishing:

When fully cured surface can be overpainted with any standard waterbased interior paint. Use an airbrush to achieve special scenic effects. If water resistance of plaster is needed, use standard waterproof primer.

Cleaning of tools:

Immediately after use with water.

Disposal:

Dried or set material can be disposed of with normal dry waste.

Storage:

Store in dry frost free conditions. Dry material storable for a minimum of 10 years.

Effect Examples:

Imitation of brickwork:

Take a 2-4mm thick plastic film, create a stencil by cutting out the pattern of the desired brickwork. Pre-Coat plywood or styrofoam in the colour you wish to have the brick-joints. Apply stencil and fill up the brick shapes with **DEKOZELLcreative** tinted to the desired colour of bricks. Texture the surface as required and remove stencil. Clean it with water and repeat.

Imitation of sandstone or slate:

Mix up **DEKOZELLcreative** in one or more shades of the desired colour. Apply cellulose plaster with trowel e.g. on plywood. Use a rubber or the backside of a brush to carve fractures into the wet plaster.

Imitation of corrosion and rust:

Pre-Coat Plywood with brown paint. Mix up one bag of **DEKOZELLcreative** with water only, no paint. Divide the mixed plaster to 6-8 smaller buckets and mix in different shades of brown colour. Put a little bit of each colour into the hopper gun and spray one colour into another.

Imitation of bark and moss:

Pre-shape tree body using wire mesh coated with linen soaked in PVA. Spray **DEKOZELLcreative** tinted in bark shades on linen, remodel wet coating structure using scrapper. Use brush to apply green coloured cellulose plaster to imitate moss.

Weathering of paintwork and wood:

Mix cellulose plaster only with WB paint and no other additional binder. Thin down plaster to 20l and spray a thin layer (e.g. dirty yellow) on plywood. After first layer is dry, spray a second layer onto the first (e.g. coloured in grey). After drying of the second layer use a wet brush to remodel the dry coating with a wet brush. Seal the plaster using acrylate primer, apply additional patina varnish if needed.