

MASTERCAST 1-2-1

TOTALCAST

ULTRACAST XT

DEEPCAST

Technical Data

| | | | | |
|---|---------------------------------------|--|--|---|
| Resin and hardener mixing ratio | 1:1 by volume 1:0.9 by weight | 1:1 by volume 1:1 by weight | 2:1 by volume 2:1 by weight | 2:1 by volume 2:1 by weight |
| Viscosity | 4,400–4,700 mPa.s* | 3,300–3,600 mPa.s* | 1,600–1,600 mPa.s.* | 800–1,100 mPa.s.* |
| Components | Resin and hardener | Resin and hardener | Resin and hardener | Resin and hardener |
| Pot-life (processing time) | 25–30 minutes at 22 °C | 15–20 minutes at 22 °C | up to 80 minutes at 22 °C | up to 10 hours at 22 °C |
| Temperature | 22 °C | 22 °C | 22 °C | 22 °C |
| Heat resistance after curing process | up to 45–50 °C | up to 45–50 °C | up to 80–90 °C | up to 50–60 °C |
| Thickness (1 layer) | up to 5 mm (max. 2 kg in one pour) | up to 20 mm (max. 3 kg in one pour) | up to 25 mm (max. 3 kg in one pour) | up to 50 mm (max. 12 kg in one pour) |
| Curing time | 6–8 hours at 22 °C | 3–4 hours at 22 °C | 24 hours at 22 °C | 3–4 days at 22 °C |
| Fully cured | 6–7 days | 5–7 days | 5–7 days | 21 days |
| Shelf life | unopened 24, opened 12 months | unopened 24, opened 12 months | unopened 24, opened 12 months | unopened 24, opened 12 months |
| Frost resistance of the containers (fluid components) | yes | yes | yes | Do not store under 10°C, the product may crystallize. Placing the bottle in hot water will reverse the crystallisation. |
| Frost resistance of the cured resin | yes | yes | yes | yes |
| No VOCs | yes | yes | yes | yes |
| Contains UV-protection: Absorber + HALS | yes; good UV-protection | yes; very good UV-protection | yes; very good UV-protection | yes; very good UV-protection |
| Food safety** | yes | yes | yes | yes |
| Scratch resistance | moderate | moderate | high | high |

*mPa.s = millipascal second / viscosity / the higher the number, the higher the viscosity
 **After full cure the resin is safe for incidental contact with food. It should not be used as a food preparation surface or cutting board



CONTACT US

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Rev21083



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MASTER TOTAL ULTRA XT CASTING RESINS

Refine, create, cast!
 Which is **YOUR**
RESIN of choice?

MASTERCASE 1-2-1

WHAT IT IS

MASTERCASE 1-2-1 is an ASTM certified two-component resin for safe and user-friendly application. Create impressive, high-gloss works of art with MASTERCASE 1-2-1.

WHAT IT DOES

Mix the two individual components thoroughly and it becomes a hard and glass-clear coating after curing. It also offers the best possible protection against premature U.V degradation and yellowing. This is ensured by UV stabilizers, Blockers and Inhibitors. Our products contain UV absorbers and HALS (Hindered Amine Light Stabilisers) and makes use of Cyclo-Aliphatic technology.

WHAT IT'S FOR

MASTERCASE 1-2-1 has a medium viscosity, so it is somewhat thicker than other resins. Therefore, it is ideal for fluid-painting. Add pigments or other additives to cell structures. Create individual optical effects by working with a heat-gun or blowtorch. This resin is suitable for use on canvas, wood, glass, metals, furniture, mosaics, ceramic tiles, encaustic pictures, drawings, paintings, photos, paper collages, prints and other non-porous surfaces.

CHARACTERISTICS

Due to its thicker consistency, MASTERCASE 1-2-1 is also particularly suitable for beginners. It will self-level at a rate which will allow time to get acquainted with its characteristics. It has a pot life (up to 30 minutes).



MASTERCASE 1-2-1 is available in the following kit sizes: 400g, 2kg, 4kg, 10kg, 50kg and 390kg bulk units

TOTALCASE

WHAT IT IS

TOTALCASE 1-2-1 is a crystal clear, ASTM certified two-component resin. It is one of the highest quality products on the market.

WHAT IT DOES

Mix the two individual components thoroughly and it becomes a hard and glassclear coating after curing. It also offers the best possible protection against premature U.V degradation and yellowing. This is ensured by UV stabilizers, Blockers and Inhibitors. Our products contain UV absorbers and HALS (Hindered Amine Light Stabilisers). TOTALCASE makes use of Cyclo-Aliphatic technology.

WHAT IT'S FOR

TOTALCASE is particularly suitable if you want to coat or embed objects. This is due to its unique clarity and transparency. Use this high-quality resin as coating, sealing and finishing for your artwork. For example: on photos, prints, canvases, wood, MDF, glass, plexiglass, concrete or metals. TOTALCASE is also the go-to resin for the production of resin jewellery and the shallow embedding of objects.

CHARACTERISTICS

TOTALCASE has a short pot life (up to 20 minutes). The advantage is your castings dry faster and are therefore less susceptible to attract dust or other external influences.



TOTALCASE is available in the following pack sizes: 500g, 2kg, 4kg, 10kg and 50kg

ULTRACASE XT

WHAT IT IS

ULTRACASE XT 2-2-1 is an ASTM certified two-component resin. You can use ULTRACASE XT to create impressive, high-gloss artwork with a longer potlife (working time) than other resins.

WHAT IT DOES

Mix the two components thoroughly and ULTRACASE XT becomes a hard and glossy surface after cure. It also offers the best possible protection against premature yellowing. This is provided by UV stabilizers: Our products contain UV absorbers and HALS (Hindered Amine Light Stabiliser).

WHAT IT'S FOR

Think big! ULTRACASE XT is the go-to for large formats and surfaces e.g large-format paintings, tables, worktops, counters, floors etc. ULTRACASE XT is well-suited to mixed media applications. This resin system is also a good choice for surfaces that need to be heat-resistant e.g coasters, serving platters, table-tops etc.

CHARACTERISTICS

To do justice to large surfaces, ULTRACASE XT has a particularly long pot life: you can create and work with it for up to 80 minutes. It is also heat resistant up to 80-90 °C.



ULTRACASE XT comes in the following pack sizes: 3kg, 7.5kg, 15kg