

English

EPOXYPLAST3D B20 JEWELCAST

ULTRA DIAMOND CLEAR | MAXIMUM UV PROTECTION | JEWELRY CASTING



PROPERTIES B20 JEWELCAST 2K EPOXY SYSTEM

Mixing ratio resin A to hardener B	2:1 parts by weight
Working time (20°C)	approx. 50 min. (100 gram, 20 mm)
Viscosity (20°C) in mPa·s* ISO 2319-1	approx. 545-570
Setting time (20°C)	approx. 100 min. (100 gram, 20 mm)
Recommended max. layer height in a grout (20°C)	from 1-20 mm.
Demouldable** after (20°C)	approx. 16-24 h (100 gram, 20 mm)
Full cure*** (20°C)	approx. 5-7 days (100 gram, 20 mm)
Shore hardness after 14 days (20°C) DIN ISO 7619-1	D 84
Glass transition temperature Tg	approx. 68°C
Heat resistance by heat curing (5 h at 95°C)	approx. 88-93°C
Volatile organic compound (VOC) free	yes
UV protection	very good (contains n-HALS additives & UV absorber)
Suitable for food contact****	yes (colourless, additive-free)
Self-venting capability	very good
Areas of applications	incl. resin art, jewellery, flooring, wood crafting

* mPa-s = Milipascal second (viscosity value). The higher the value, the more viscous the medium.

** The actual time until demouldability depends on the amount of material and room air temperature

*** Depending on total grouting quantity and ambient temperature

**** With transparent grouting after complete curing, contact with food is harmless

