

Nano-Seal 500R

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Viscosity:

Brookfield: 5 – 10 mPas at 25°C

Curing time:

Ca. 6 h at room temperature, Afterwards – if the base material is thermally sufficiently stable – heat slowly to 220°C for 2 h.

The data serve as a rough guide as the curing depends strongly on the size, the thickness and form of the walls to be impregnated.

Delivery form:

Colorless low viscous liquid
Size of the cans: 1, 5 and 200 L

Shelf life:

2 years (storage below 30°C and ideally without exposure to light). Make sure that the can is always tightly closed.

Processing:

The product is ready for use.

Typical application modes are brushing, spraying or dipping of the model. Vacuum or pressure is not necessary.

The resistance of the model to solvents has to be checked prior to the impregnation with Nano-Seal 500R.

- Cleaning of the model (preferably acetone) and drying at room temperature.
- Repeated brushing wet-in-wet or dipping for 15 min. Temperature of the surface at least 3°C above dew point.
- Filling of closed cavities (for instance cooling circuits); i.e. sealing from inside is also possible.
- Ca. 12 h at room temperature, Afterwards – if the base material is thermally sufficiently stable – heat slowly to 220°C for 2 h.

Safety:

Make sure that there is good ventilation and avoid any source of ignition. Read safety data sheet prior to use.

The technical data mentioned in this technical data sheet have to be regarded as rough guidelines. They have been obtained in our laboratory under optimal conditions. For the suitability of the product for specific applications we do not take the responsibility and we deny any liability. We recommend to do trials under conditions which reflect the individual practical application prior to the use of the material for the real application.