

Vitralit®2004 F is a combined cationic UV- and thermally curable coating compound, based on epoxies. The surface is dry after the UV curing process, stability will be reached, once the coating has cooled down. Deep layers or shadowed areas can be post cured thermally. Vitralit® 2004 F is a flexible coating, can be autoclaved and is highly chemical resistant.

The product is set up fluorescent, when using partial dosage, the progression can be recognized very well with blacklight.

When stored properly (+ 5° C/ no UV radiation) in closed original boxes, the product can be stored for 6 months.

Technical Data

Color	transparent
Resin	epoxy

UNCURED PROPERTIES

Viscosity(Brookf.LVT/25°C/Sp.2./30rpm) [mPa·s	PE-Norm P001	60 to 100
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.085
Refractive Index [nD20]	PE-Norm P018	1.491

Curing

UV(UV-A 60mW/cm² Thickn.st. 0,5mm): [sec.]	PE-Norm P002	60
Thermal Curing 105°C :[Min]	PE-Norm P035	30
Full Strength [hours]	PE-Norm P032	24
Depth of Cure [mm]	PE-Norm P033	3

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 180
Hardness [Shore D]	PE-Norm P052	15 to 25
Shrinkage [Vol-%]	PE-Norm P031	1.5
Water Absorption [mass-%]	PE-Norm P053	< 1
Tg [°C] (DSC)	PE-Norm P009	13 to 17
Dielectric Constant [10kHz]	PE-Norm P054	8.7
Dielectric Strength [kV/mm]	PE-Norm P055	14

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. In general, for guarantee claims, please refer to our standard terms and conditions.

**Adhesives
and more...**