

Vitralit® 2008 is a combined cationic coating compound based on epoxy resin, featuring low flow characteristics and therefore enabling a perfect flange.

The product can be cured thermally and when exposed to UV-light providing a dry surface immediately. Complete stability sets in after the coating has cooled off. To obtain full cure of layers or shaded areas additional thermal curing is required.

Vitralit® 2008 is a flexible, autoclavable coating compound, featuring an excellent chemical resistance.

Shelf life of this product is 6 months provided it is stored in unopened containers (5°C no radiation).

Shelf life:

in closed original packing unit at 5°C without UV- irradiation -- 6 months --

Technical Data

Color	transparent
Resin	epoxy

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa·s]	PE-Norm P001	200 to 300
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.12
Refractive Index [nD20]	PE-Norm P018	1.4904

Curing

UV(UV-A 60mW/cm² Thic kn.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	1

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 180
Hardness [Shore D]	PE-Norm P052	40 to 50
Shrinkage [Vol-%]	PE-Norm P031	1.5
Water Absorption [mass-%]	PE-Norm P053	< 0.5
Tg [°C] (DSC)	PE-Norm P009	44 to 47
Dielectric Constant [10kHz]	PE-Norm P054	3.4
Dielectric Strength [kV/mm]	PE-Norm P055	16.7

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...**

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UV-epoxy, unfilled, dual- curable:

- storage at max. 5°C
- before using acclimate to room temperature in original packing unit
- applicable with syringe, quench bottle, dispenser, automatic dispenser...
- surfaces to be bonded should be free of dust, oil, fat or any other dirt
- curing wave- length from 315nm to 400nm

Curing time depends on:

- emission spectrum and intensity of emitter but min. 30mW/cm²
- distance from emitter to substrate
- emitter intensity aging
- layer thickness
- material influence like reflection, adsorption, UV permeability ...

This product is dual curable, i.e. deep layers thickness or shadow areas can be thermal cured afterwards.