

Description: Relicon® EP 20 is a cold- hardening, universally applicable two- component epoxy cast resin. Thanks to the low exothermic larger volume can be cast. Due to the extremely high impact resistance the Relicon® EP20 holds high mechanical and thermal strains.

Application: Mechanical protection and electrical insulation for applications like oil-filled cables as well as earth cables.

Properties: Ready for use immediatley
In a practical, transparent two- chamber pouch
Very little exothermic
Very impact resistant
Excellent adhesion on all plastic cables and wires
Halogen-free
Good hardening even at low temperatures
No dangerous waste with homogeneous mixing of the resin
SVHC- free (contains no dangerous substances)
Safe filling thanks to the SF-System
Very good thermal load- bearing capacity
Excellent mechanical stability
Hardens very quickly

Tests: certified according to CENELEC HD 631.1 S2

Processing properties: Mixing ratio: A:B 100:65
Pot time bei 23°C 18 min.

Physical properties: Density at 20°C 1,08 g/cm³ DIN EN ISO 2811-2
Viscosity at 23°C 2000 mPa*s EN ISO 2555
Max. exothermicity 100°C HD 631.1 S2

Mechanical properties: Shore hardness D 70 EN ISO 868
(hardened) Tensile strength 11 MPa EN ISO 527
Ultimate strain 45 % EN ISO 527

Electrical properties: Dielectric strength 23°C > 20 kV/mm EN 60243-1
(hardened) Lost factor 23°C 50Hz < 0,02 IEC 60250
Lost factor 80°C 50Hz < 0,20 IEC 60250
Dielectric constant 23°C 3,21 IEC 60250
Dielectric constant 80°C 5,98 IEC 60250

Usage information: The resin is delivered in a transparent two- chamber plastic pouch. Both components are separated by a middle seam. In order to protect the resin from dampness and the thereby guarantee optimal durability of the products, the transparent plastic pouch is shrink-wrapped in a paper pouch laminated with aluminium. Further instructions for use and processing can be found in this data sheet or on the product packaging.

Storage: Das Relicon® EP 20 must be stored in a protective aluminium pouch at ambient temperatures of between 5°C and 40°C. When stored appropriately, the product can be stored for 48 months. The expiry date can be found on the product packaging.

Safety information: Safety information relating to the potential effects on health, safe handling, storage, usage and disposal of the product can be found on our product- specific safety data sheet.

Article- No.	Typ	ml / g
435-00450	RELICON EP 20 EP CL 95	95 / 103
435-00451	RELICON EP 20 EP CL 165	165 / 178
435-00452	RELICON EP 20 EP CL 220	220 / 238
435-00453	RELICON EP 20 EP CL 240	240 / 259
435-00454	RELICON EP 20 EP CL 400	400 / 432
435-00455	RELICON EP 20 EP CL 455	455 / 491
435-00456	RELICON EP 20 EP CL 490	490 / 529
435-00457	RELICON EP 20 EP CL 655	655 / 707
435-00458	RELICON EP 20 EP CL 955	955 / 1031
435-00459	RELICON EP 20 EP CL 1140	1140 / 1231
435-00460	RELICON EP 20 EP CL 1445	1445 / 1561
435-00461	RELICON EP 20 EP CL 1640	1640 / 1771
435-00462	RELICON EP 20 EP CL 1950	1950 / 2106
435-00463	RELICON EP 20 EP CL 2045	2045 / 2209

