

Description: Relicon® EP 64 is a cold- hardening, universally applicable two- component epoxy cast resin. It is ideally suited for use in electrical installations as well as in the chemical and crude oil- processing industries where there is a lot of dampness as well as where there is high mechanical and thermal strain.

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

Properties: Ready for use immediately
In a practical, transparent two- champer pouch
Excellent hydrolytic stability
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
Excellent chemical resistance
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	100:36
	Pot time	bei 5°C	23 min.
		bei 23°C	13 min.
		bei 35°C	8 min.

Physical properties:	Density at 20°C	1,13 g/cm³	DIN EN ISO 2811-2
	Viscosity at 23°C	3700 mPa*s	EN ISO 2555
	Max. exothermicity	140°C	HD 631.1 S2

Mechanical properties: (hardened)	Shore hardness D	78	EN ISO 868
	Tensile strength	42 MPa	EN ISO 527
	Ultimate strain	5 %	EN ISO 527

Electrical properties: (hardened)	Dielectric strength 23°C	> 20 kV/mm	EN 60243-1
	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 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 on this data sheet or on the product packaging.

Storage:

Das Relicon® EP 64 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
435-00400	RELICON EP 64 EP GY 95	95 / 107
435-00401	RELICON EP 64 EP GY 165	165 / 186
435-00402	RELICON EP 64 EP GY 220	220 / 249
435-00403	RELICON EP 64 EP GY 240	240 / 271
435-00404	RELICON EP 64 EP GY 400	400 / 452
435-00405	RELICON EP 64 EP GY 455	455 / 514
435-00406	RELICON EP 64 EP GY 490	490 / 554
435-00407	RELICON EP 64 EP GY 655	655 / 740
435-00408	RELICON EP 64 EP GY 955	955 / 1079
435-00409	RELICON EP 64 EP GY 1140	1140 / 1288
435-00410	RELICON EP 64 EP GY 1445	1445 / 1633
435-00411	RELICON EP 64 EP GY 1640	1640 / 1853
435-00412	RELICON EP 64 EP GY 1950	1950 / 2204
435-00413	RELICON EP 64 EP GY 2045	2045 / 2311

