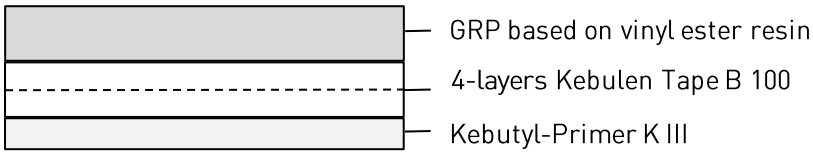
Kebudur HT-80-System
PRODUCT DATA SHEET

- Outstanding corrosion protection
- Very high mechanical strength
- Butyl rubber combined with GRP
- Light-curing
- Operating temperatures of 80°C
- One-component resin

The Kebudur HT-80 system provides an excellent combination of the proven corrosion inhibitor butyl rubber and the mechanically resilient and chemically resistant GRP mantle.

The Kebudur HT-80 system is suitable for a continuous operating temperature of 80°C, and for a short-term load of up to 100°C.
Kebudur HT resin is a one-component, light-activated vinyl ester resin for the production of GRP coatings in combination with glass fabric and/or glass fleece layers.
The application of the one-component, UV-curing Kebudur HT resin is carried out on the pipe surface that has already been wound with Kebulen tape, e.g. by means of a lambskin roll in the seam area.

STRUCTURE
- Kebutyl primer KIII
- Kebulen Tape B 100 4 layers
- Kebudur-HT-resin
- Glass fabric (4 layers)
- Finishing fleece (2 layers)
- Optional Stretch-Foil



APPLICATION
The main areas of application are enveloping reinforcements when laying in the drilling fluid process (horizontal drilling method) as well as in the ground/ air area.

FORMS OF DELIVERY
Kebutyl Primer K III in containers of 1l / 5l / 10l
Kebudur HT resin in containers of 10 l

	Length of roll [m]	Width of roll [mm]	Rolls per box [-]
Glass fabric (approx.580g/cm³)	40	100	-
Finishing fleece (approx. 40g/cm³)	100	100	-
Stretch foil	20	290	-
	300	500	-
Kebulen-Tape 100	15	30	18
		50	12
		100	6

Other dimensions on request

PROSSESING INSTRUCTIONS

Important: During processing, the surface temperature of the pipe must always be 3°C above the dew point temperature. If the relative humidity of 80% is exceeded, suitable measures should be taken to avoid endangering the curing of the Kebudur HT resin.

General notes: A sufficiently large working space must be available during application and curing. This must be protected from moisture, rain and unwanted UV radiation by suitable measures. Tents with rainproof, UV-light-absorbing or reflective foil are suitable for this purpose. The floor below the pipe to be coated must be protected against contamination by dripping resin by laying out cardboard or foil. When curing with natural UV radiation, the underside of the pipe must be hardened either by artificial light or by reflectors, e.g. embossed aluminium foil, which is laid out below the pipe. The resin solution cures exclusively by irradiation with UV light in the wavelength range of 365-420 nanometers.

For professional processing, please follow the processing instructions.

PROPERTIES

Property	Unit	Typical value	Standard
Impact resistance	J	6 at (23±2) °C 5 at (23±2) °C	ISO 21809-3 Appendix B/ G
Indentation resistance	°C	(1,3±0,2) % at 80±2 Table 4	ISO 21809 – 3 Appendix H
Shore D (target≥60) without tripod	mm	≥70	DIN EN ISO 868
Cathodic infiltration, 28 days, 80°C	mm	≈10	ISO 21809 – 3 Appendix H
Shear resistance	N/cm²	>130	GW 340 Section 6.5.4 DIN EN 12390-4
Specific electrical insulation resistance R_{s1000}	Ωm²	$>10^6$	DIN EN 12068 / ISO 21809-3
Pore inspection	-	non porous	ISO 21809-3 Appendix B

Note on occupational safety:

Occupational safety measures when handling Kebudur HT resin can be found in the safety data sheet. When sanding the hardened GRP, a face mask (dust mask) must always be worn. When irradiating with UV lamps, eye protection is required by tight-fitting welding goggles or UV protection goggles.

Recommendation:

For disposal, please refer to the safety data sheet and local official regulations. Fully cured material can be disposed of with the residual waste.

The information given in this publication is based on our knowledge and experience. The hints and instructions for use given therein have been compiled to the best of our knowledge on the basis of our tests and experience. Best results will be obtained if our products are used in a proper and expert way. Any protected rights and existing laws and regulations must be complied with the recipient. In all other respects our general terms and conditions shall apply. -- Rev.: 01_27.08.2024 --

Kebulin-Gesellschaft Kettler GmbH & Co. KG
Ostring 9 | D-45701 Herten-Westerholt
Tel. +49 209 9615-0 | Fax +49 209 9615-190 | info@kebu.de | www.kebu.de