

Epilox® P 13-17G is a novel monofunctional reactive diluent combining the key advantages of conventional reactive diluents with a benign regulatory profile. It can be used as an alternative to Epilox® P 13-18(G) for formulating modified resins free of GHS08 hazard classification.

viscosity (T=25°C)	10 - 30 mPa.s	
Gardner color	<2	
chlorine content (saponifiable)	<0,1 %	
epoxy equivalent	490 - 540 g/mol	
water content	<0.1 %	

-	low v	iscosity	
-	good	dilution	effect

- excellent mechanical properties
- no odor
- low-harm labelling (),no GHS08
- contains biobased carbon
- LEUNA-Harze quality

GHS08 free products

euna

TO GREEN

reactive diluents

Epilox[®] **P 13-16**

based on 2-Ethylhexanol Epilox® T 19-68/xG + T 19-64/xG + T 19-66/xG



Epilox[®] P 14-12

based on *p*-tert-Butylphenol Epilox[®] T 19-43/x(G) + Epilox[®] T 19-44/x(G)



Epilox[®] P 13-42

based on PPG Epilox® T 19-64/xG



mod. epoxy resins

Epilox[®] T 19-64/xG

mechanical equivalent to Epilox® T 19-38/x(G) AF-resin, x=700, 1000

Epilox[®] T 19-68/xG

price equivalent to Epilox® T 19-38/x(G) AF-resin x=500, 700, 1000

Epilox[®] T 19-66/xG

price equivalent to Epilox® T 19-36/x(G) A-resin. x=500, 700, 1000



salicylic acid free adduct hardeners

Epilox[®] M 1221

alternative to Epilox[®] M 1131-1 same acceleration & properties



Epilox[®] M 1222

alternative to Epilox[®] M1128 same acceleration, GHS08-free





LEUNA-Harze Epilox[®] Systems





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Biobased Products

The Epilox[®] G-series includes Bisphenol A and Bisphenol F epoxy resins, as well as reactive diluents containing bio-based carbon content. For this purpose, bio-based epichlorohydrin is used in production, derived from glycerin and manufactured at the LEUNA-Harze GmbH site. The glycerin used is a by-product of biodiesel production.



BUDGET-FRIENDLY





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Life Cycle Assessment

LEUNA-Harze GmbH commissioned an external partner to conduct a Life-Cycle Assessment (LCA) of selected epoxy resins and reactive diluents according to the LCA standards DIN EN ISO 14040/14044. The study included a detailed evaluation of the life cycle of the epoxy resins and reactive diluents from the production of the raw materials used to the factory gate of LEUNA-Harze GmbH (cradle-to-gate approach).

→ CO₂-emission biobased ECH vs conventional ECH

+ results: reduction in CO₂ emissions during the production of biobased products

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