

PEROXAN ME-50 LU 2 X

Ketone peroxide / Curing

Description	Mixture of Methyl ethyl ketone peroxide(s) and Cumene hydroperoxide Solution with plasticizer		
	PEROXAN ME-50 LU 2 X is used for cu vacuum injection, RTM plus filament wir reaction is performed at ambient temper	ring of polymer concrete with high ratio resin to fillers idings of tubes and tanks with bigger wall sizes. The atures and always in combination with Cobalt acceler	, curing rators.
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	CAS No.:	1338-23-4; 80-15-9	
Technical data	Appearance: Active oxygen assay: Density at 20°C:	yellowish liquid appx. 8.55% 1.02 g/cm³	
Solubility	Insoluble in water, Soluble in phthalates		
Storage	Maximum storage temperature (Ts max) Minimum storage temperature (Ts min): Storage stability as from date of delivery	30°C 0°C 5 6 months	
Hazardous reactions	Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.		
	Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.		
Safety characteristics	Flash point: SADT:	57°C 60°C	
	The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.		





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Application	PEROXAN ME-50 LU 2 X is very well suitable for curing of unsaturated polyester resins at ambier and slightly elevated temperatures. PEROXAN ME-50 LU 2 X has to be utilized always in combination with Cobalt accelerators, because it is not suitable for hot curing applications. The system does not influence the UV resistance properties of the final parts. Using PEROXAN M 50 LU 2 X will result in a reduced peak temperature during curing reaction compared with a standard active MEKP, e.g. PEROXAN ME-50 L, and therefore will avoid formation of cracks. Gel and curing times can be varied by the dosage of the accelerator.	
	A high degree of curing can be achieved by post curing at a temperature range from 80 °C up to 100° C with a duration of 2 to 8 hours.	
	Ambient temperature should not fall below 18 °C when the system PEROXAN ME-50 LU 2X and Cobalt accerlerator is applied. At lower temperatures the system may remain undercured due to heavily decreased efficiency.	
	Humidity, certain fillers and pigments may badly influence the curing properties of the system.	
	Depending on working conditions, the following peroxide and accelerator dosage levels are recommended:	
	PEROXAN ME-50 LU 2 X: 1,0 to 3,0 phr PERGAQUICK C12 X (Cobalt, 1%): 0,3 to 2,0 phr	
Packaging	25kg container	
Major decomposition products	Formic acid, Acetic acid, Carbon dioxide, Methylethylketon, Propionic acid, Water	
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN ME-50 LU 2 X. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at www.pergan.com or through contacting Pergan directly.	

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