



Conformal coatings and thick film lacquers 2007-08-13 PI 07/66 E-0

for assembled printed circuit boards / flat packs



	Possible application processes				Drying time until handleable (according to IEC 60464) [min] at			Drying time until encapsulable (strongly depends on coating thickness) at			Temperature range in operation [°C]					Insulation resistance under		Flame class according to EN 94		ELPEGUARD® product name		
	painting	spraying	dipping	selective c. dispensing	23 °C	80 °C	110 °C	23 °C	80 °C	110 °C	-40	125	130	140	180	200	moisture	dewing	(* test reports: www.peters.de)			
					30	60	90	min	h	d							good	very good	good	very good	V0	V1
Conformal coatings	●	●	●	●	15	60-80		6 h		4 d	[Temperature range bar]					good	very good	good	very good	●*		SL 1301 ECO-FLZ series and SL 1301 ECO-BA-FLZ series
	●	●	●	●	5	15		2 h			[Temperature range bar]					good	very good	good	very good	●		SL 1305 AQ-ECO series
	●	●	●	●	5	20		1-2 h			[Temperature range bar]					good	very good	good	very good	●*		SL 1307 FLZ series <i>also in spray cans</i>
	●	●		●			90			1-2 d	[Temperature range bar]					good	very good	good	very good	●*		SL 1400 ECO-FLZ series
Thick film lacquers	●	●	●	●	UV curing			1-3 h			[Temperature range bar]					good	very good	good	very good	●*		DSL 1600 E-FLZ series <i>TWIN-CURE®</i>
	●	●	●	●	15			15 min			[Temperature range bar]					good	very good	good	very good	●*		DSL 1705 FLZ <i>silicone</i>
	●	●	●	●			45			min. 1 d	[Temperature range bar]					good	very good	good	very good	●		DSL 1706 FLZ series <i>silicone</i>

SL = conformal coating DSL = thick film lacquer ECO = ecological AQ = water-borne FLZ = fluorescent

The products mentioned in this selection chart do not contain substances listed in the RoHS directive 2002/95/EC, EU End-Of-Life Vehicle directive 2000/53/EC and WEEE directive 2002/96/EC.

In addition to the technical data sheets on our products the Application Information sheets AI 1/1 Processing instructions for the conformal coatings of the series' ELPEGUARD® and AI 1/2 Processing instructions for the thick film lacquers of their series' TWIN-CURE® offer detailed and extensive information and advice that increase the understanding of the individual steps and are mandatory to observe for a reliable process flow.