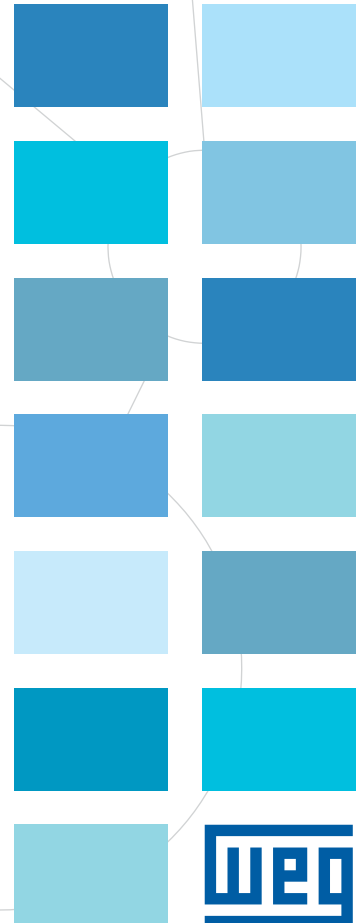
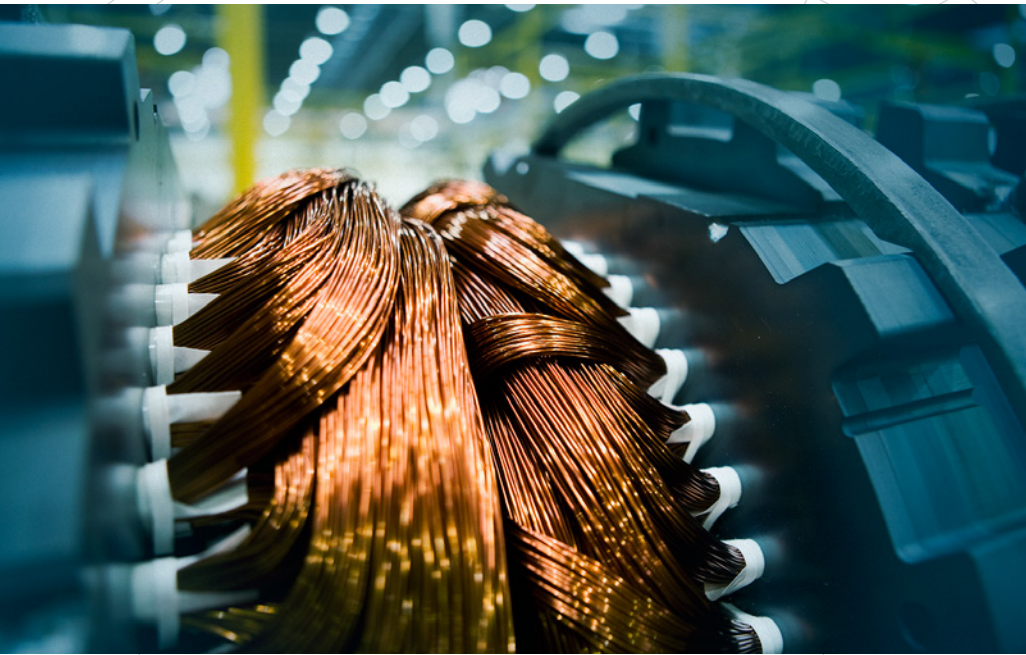


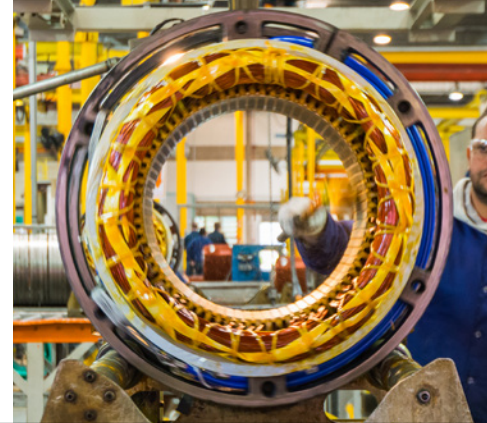
LACKTHERM®

Electrical Insulating



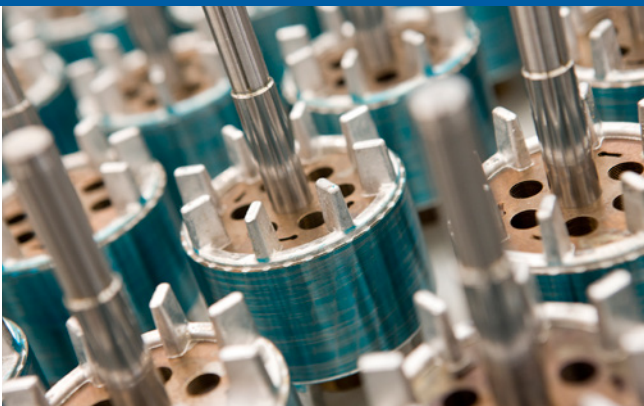
LACKTHERM®

The WEG electrical insulating varnishes and resins offer excellent dielectric properties, flexibility, hardness, chemical resistance, adherence, and compatibility. They are recommended for the impregnation and isolation of materials of the segments of electrical, electronic, transformers, generators, motors, etc. The big differential of **WEG** for this line, is the fact of diverse products have the certification **UL**.



UL is an independent American certification laboratory with more than a century of expertise being the world reference in the electrical market. The certification **UL** gives customers the safety of consuming a product which receives the periodic inspections and analysis for Quality Conference by an international body, guaranteeing products of high tech and excellent quality for the electrical isolation market.

AIR DRY VARNISHES



It offers excellent dielectric properties, mechanical resistance and flexibility. Product recommended for the application in wound coils in general and small engines. "Product available in all of the registered resellers".

USE	NAME	COLOR	VISCOSITY	SOLID CONTENT	THERMAL CLASS	APPLICATION METHOD	CURE/DRY TIME
MOTORS UP TO 50 CV, DRY TRANSFORMERS AND REACTORS (UP TO 480V), SOLENOIDS AND ELECTROMAGNETS	LACKTHERM® 1303	AMBAR	20 ± 5"	36 ± 2%	B (130°C)	SPILL / IMMERSION / BRUSH / SPRAY	Touch (20 - 30 min) Handling (3 - 6 hours)
	LACKTHERM® 1333		16 ± 2"	31 ± 2%			Touch (20 - 50 min) Manuseio (3 - 6 hours)
	LACKTHERM® 1334	GOLDEN YELLOW	20 ± 5"	36 ± 2%			Touch (30 - 40 min) Manuseio (6 - 8 hours)
PROTECTION OF METALLIC MACHINED PARTS (AXLES, ROTORS, AND STATORS)	LACKTHERM® 1320	BLUE	22,5 ± 2,5"	12 ± 2%	-		Touch (10 - 20 min)

DRYING VARNISH KILN

Indicated for the impregnation of electrical motors, transformers, and generators. The products stand out for the stability in tanks and due to its versatility in the application on diverse equipment. Has a high resistance to chemical agents and humidity.



USE	NAME	COLOR	VISCOSITY	SOLID CONTENT	THERMAL CLASS	APPLICATION METHOD	CURE/DRY TIME
MOTORS AND GENERATORS OF LOW AND HIGH TENSION, ALL OF THE POWERS AND HERMETICS	LACKTHERM® 1313	AMBAR	50 ± 10"	49 ± 2%	H (180°C)	IMMERSION / INUNDATION / VACUUM / VPI	6 TO 8 hours - 130° to 150° C
MOTORS AND GENERATORS OF LOW TENSION (UP TO 480V) ALL OF THE POWERS	LACKTHERM® 1314/40		30 ± 3"	38 ± 2%		IMMERSION / VACCUM	1.5 to 3 hours - 145° to 155° C
MOTORS UP TO 350CV AND GENERATORS OF LOW TENSION, EXCEPT HERMETIC MOTORS	LACKTHERM® 1356		42,5 ± 7,5"	50 ± 2%		IMMERSION / VACCUM / VPI	5 hours at 140°C - reach the temperature of the object
TRANSFORMERS OF OIL DISTRIBUTION UP TO 300 KVA AND MOTORS UP TO 100CV	LACKTHERM® 1355		23 ± 5"	41 ± 2%	F (155°C)	IMMERSION	1 to 3 hours - 105° to 130° C
HERMETIC MOTORS AND WINDINGS IN GENERAL FOR HIGH CHEMICAL RESISTANCE	LACKTHERM® 1357		32,5 ± 7,5"	31 ± 2%		IMMERSION / VACCUM	2 to 3 hours - 140° to 150° C

UNSATURATED IMIDIC POLYESTER RESIN

Catalyzed product with organic peroxides of low loss by evaporation and curing in kiln. It has excellent dielectric properties, high power of compaction, chemical resistance, mechanical, thermal, electrical, and humidity.



USE	NAME	COLOR	VISCOSITY	THERMAL CLASS	APPLICATION METHOD	CURE/DRY TIME
SMALL MOTORS AND TRANSFORMERS	LACKTHERM 1317/25	AMBAR	90 ± 5 cP	H (180°C)	IMMERSION	15min. – 30min. / 130°C – 140°C with pre-heating of the part between 70°C – 90°C.
ROTOR OF APPLIANCES OF HIGH ROTATION (DRILLS, SANDERS, AND STATORS IN GENERAL)	LACKTHERM 1317/90		90 ± 5"		DRIPPING	15min. – 45min. / 130°C – 150°C. Pre-heating of part between 70°C – 90°C.
MOTORS OF LOW TENSION (UP TO 480V) ALL OF THE POWERS	LACKTHERM 1317/120		130 ± 10"		DRIPPING / IMMERSION	
MOTORS OF GENERATORS OF ALL POWERS (LOW, MEDIUM, AND HIGH POWER)	LACKTHERM 1317/350		325 ± 25 cP		IMMERSION / VACUUM / VPI	Kiln: 2h – 4h. / 130°C – 150°C after reaching the temperature of the object.
	LACKTHERM 1317/500		500 ± 20 cP			
LIGHT REACTORS	LACKTHERM 1369		135 ± 10"		IMMERSION	Drying in kiln: 45 min to 150°C. Flash Off: 10 min.

HYDRO-SOLUBLE VARNISH

Product with low emission of organic solvents (V.O.C) in the environment. Has an excellent dielectric property, flexibility, strength, and chemical resistance.



USE	NAME	COLOR	VISCOSITY	SOLID CONTENT	THERMAL CLASS	APPLICATION METHOD	CURE/DRY TIME
MOTORS OF SMALL SIZE FOR THE LINE OF APPLIANCES	LACKTHERM 1319	YELLOW LIGHT	22,5" ± 2,5"	30 ± 2%	H (180°C)	IMMERSION	1.5 to 3 hours - 125°C to 130°C
MOTORS UP TO 50 CV	LACKTHERM 1319/80	YELLOW GOLDEN	90 ± 10"	36 ± 2%			
PAINTING AND IMPREGNATION OF SMALL REACTORS OF LIGHTS AND TRANSFORMERS	LACKTHERM 13192	WHITE	155 ± 5"	45 ± 2%	F 155 °C		Drying in kiln: 45 - 90 min at 140° to 160°C. Flash Off: 10 min
PROTECTION OF PLATES AND COILS OF ELECTRICAL STEEL	LACKTHERM 1319/70	GRAY	100 ± 10"	72,5 ± 2,5%	H (180°C)	ROLL ("COIL COATING")	Drying in kiln: 10 min at 180°. Flash Off: 10 min

EPOXY SOLVENT FREE LINE

Products with multiple application in diverse sectors of the industry. Are applied in the impregnation, filling, and encapsulation of electrical components in general.



	USE	NAME	COLOR	VISCOSITY	THERMAL CLASS	APPLICATION METHOD	CURE/DRY TIME
MONOCOMPONENT	ROTOR OF HIGH ROTATION, WIRES COATED WITH GLASS FIBER AND COILS IN GENERAL	LACKTHERM 1323	AMBAR	500 - 800 cP	F (155°C)	DRIPPING / IMMERSION	3 - 5h at 150°C
	ENCAPSULATION OF ROTORS OF POLES PROTRUDING	LACKTHERM 1400	BEIGE	30.000 - 50.000 cP		FILLING	
BICOMPONENT	FILLING OF ELECTRICAL ENGINE CONNECTION BOXES, ENCAPSULATION OF ELECTRICAL COMPONENTS IN GENERAL	LACKTHERM 1326	GRAYISH WHITE	TIXOTRÓPICA	H (180°C)	SPATULA / APPLICATOR	6 - 8h / 25° to 30°C
	FOR BALANCING OF ROTORS AND FANS	LACKTHERM 1329	COMP A: BLUE / COMP B: YELLOW			MANUAL	2 - 6h / 25° to 30°C
	GLUING FOR ISOLATION OF MICA/FIBER TAPE OF GLASS	LACKTHERM 1364	LIGHT YELLOW	700 - 1300 cP		BRUSH	3 - 6h / 25° at 30°C or 5 - 15min / 80° to 130°C
	ENCAPSULATION OF ELECTRICAL COMPONENTS IN GENERAL AND WINDING FINISHES	LACKTHERM 1366		10.000 - 15000 cP		FILLING	4 - 6h / 25° at 30°C or 5 - 15min / 80° to 130°C
	ENCAPSULATION OF ELECTROMAGNET OR MOTOR BRAKES	LACKTHERM 1380	RED	32.000 - 80.000 cP			4 - 8h / 25° at 30°C or 5 - 15min / 80° to 130°C
	ENCAPSULATION OF GENERAL USE IN ELECTRONIC COMPONENTS.	LACKTHERM 1382	GREEN	50.000 - 10.000 cP			3 - 6h / 25° to 30°C or 5 - 15min / 80° to 130°C
	ELECTRICAL EQUIPMENT OF LARGE SIZE THAT NEED HIGH RESISTANCE AND THERMAL CYCLING	LACKTHERM 1390	GRAYISH WHITE	301 - 350 cP		APPLICATOR / SPATULA	6 - 8h / 25° to 30°C

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