

W-THANE GND 50

				2-pack aliphatic acrylic polyurethane direct to metal. Developed to be applied directly to galvanized steel. It has good corrosion protection, excellent adhesion and weathering resistance.										
ga CERTIFICATIONS AND Th				Recommended for coating electric energy towers and communication towers, metal structures, galvanized parts and equipment. This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.										
PACKAGING:			Com	Component			Content		Package			Unit of measurement		
				Com	ponent A			2,88 16			3,6 20			L
				Com	ponent B			0,72 4			0,9 4			L
CHAR	ACTERI	STICS:	Color:			Ral, I	Aunsell a	or as per cu	stomer	standard.				
			Gloss:			Gloss Semi	gloss	>80 Ul 60 – 8) UB					
			Volume s	olid:		Matte Ultra	matte matte 5% (ISO	30 – 6 15 – 3 0 – 15 3233).) UB					
			Expiry Da	ate:		12 m	onths at 2	25°C.						
			Thicknes Theoretic			14,3	n –40 µm m2/l with rs in the a		in the th	nickness (of 35 µm	dry. Witho	out consid	lering the loss
			Resistan	ce to dry	heat:	prope	rties up	perature 9 to the temp cur from 60	erature	ne produc of 90 °C	t retains however,	its physica variations	al and cho s in the co	emical bating color and
			Drying:			25⁰C								
			Touch: Handling	:		1 hour 8 hours								
			Final:		1	68 hours								
			Repaintin Drying:	ng		25⁰C								
						5 hours 4 hours								

SURFACE PREPARATION

The performance of this product is related to the degree of surface preparation.

The surface must be clean, dry and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP1 standard.

The accumulated dirt must be removed using a dry brush, clean and dry cloth, compressed air blow, vacuum cleaner and/or with the combination of such items, and the soluble salts must be removed through wash with a great quantity of fresh water, preferably with low pressure (up to 5,000 psi) according to SSPC-SP 12/NACE No. 5.

Surface Treatment for Non-Ferrous Metals and Electrolytically Galvanized Parts Initially remove any dirt and oil from the surface with clean cloths soaked in cleaning solvent according to SSPC SP1. Whenever cleaning a surface with cloths, avoid the use of cotton waste or colored cloths.





Execute a "light sanding" with sandpaper 180 in order to promote roughness. Whenever possible, create criss-cross scratches (horizontal and vertical). Clean the surface again with cloths soaked in solvent and change them frequently.

Application over primer

NOTE: Observe the product overcoating interval to apply the next coat. In case the maximum overcoating interval has been exceeded, it is necessary to manually/mechanically sand the surface to break the gloss of the previous coat and clean the sanding residues so as to provide better adhesion between the coats.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Homogenize the contents of each component by means of mechanical or pneumatic stirring (A and B). Ensure that no sediment is settled at the bottom of the package. Add component B to component A, at the recommended proportion (volume), under stirring, until complete homogenization, observing the mixing ratio.

Mixing ratio (Volume)

4 A X 1 B.

Mixture

			Diluent Pu diluent 5001
			Dilution Depending on the application method, dilute at most 10%
			Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.
			Only add the diluent after the complete mixing of components A + B.
			The quantity of diluent may vary depending on the type of equipment used and the ambient conditions during the application.
			Excessive dilution of the coating may affect the formation of the film and appearance and hinder the attainment of the specified thickness.
			Pot life of the mixture (25°C)
			4 h The pot life is reduced with a higher room temperature.
			The pot-life test is performed according to the Brazilian standard ABNT NBR 15742; however, different volumes of coating prepared at once combined with different ambient and coating temperatures will influence the pot life, and different results than those mentioned in this data sheet may be found.
			Induction time (25°C) No induction time required.
			In hot areas, we recommend consulting WEG Technical Department.
APPL	ICATION	N FORMS	The data below is a guide, and similar equipment may be used.
			In the spray application, make a 50% overlap in each gun pass, concluding with a cross pass. This technique is used to avoid uncovered and unprotected areas and to obtain a suitable aesthetic finish.
			Reinforce all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.
			Changes in nozzle sizes and pressures may be necessary to improve the spraying characteristics.
			Before the application, make sure the equipment and its components are clean and in the best condition.
			Purge the compressed air line to prevent contamination of the coating.
			After mixing the 2-pack products, if there are stops in the application, and the pot life is exceeded (the coating presents variation in its fluidity), it can no longer be diluted for further application.
			The data below is a guide, and similar equipment may be used.
			Conventional gun:

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		Gun:	JGA 502/3 Devilbiss or equivalent				
		Fluid nozzle: Air cap:	EX 704				
		Atomization pressure:	50 - 70 psi				
		Pressure in the tank: Dilution:	10 - 20 psi 10%				
		Didion.	10 %				
			reas or strip coat (screws, nuts, weld beads, sharp edges and de for larger surfaces and 25 to 38 mm for retouching.				
		Roller: For application with brush and/or roller, ap uniform layer according to the recommend	plication in two or more passes may be necessary to obtain a led film thickness per coat.				
		Cleaning the equipment: Pu diluent 5001					
NOTE:		Clean all equipment immediately after use					
			act with the equipment used in the application, because the temperatures above the specification in the pot life and will				
			to periodically wash the spray equipment along the day. The ount sprayed, temperature and elapsed time, including all				
	RMANCE IN THE	For a good performance of the product, we	e recommend following the directions below:				
APPLIC	CATION	delay in curing and impairment of surface	gloss (more noticeable in dark colors) may occur, as well as performance, when applied during periods of high air relative in case the coated parts are put to dry outdoors.				
		In paintings executed on the seafront, if ex fresh water between coats eliminating the	posed to the action of sea air, we recommend to wash with settled impurities.				
		Light colors may require more than one co	at for an even coverage.				
		surfaces. Small variations in color, appeara	ons, such as air relative humidity above 85% or on condensed ance and gloss of the coated parts may occur in periods of high aperatures or in situations where the coated parts are placed to				
		which can cause flaws in the dry film and r	B) present sensitivity when exposed to air relative humidity, reduction of pot life. Therefore, we recommend that the closed after use and kept in dry places protected from bad				
		We recommend coating only if the measur temperature.	red surface temperature is at least 3 °C above the dew point				
		Do not apply the product after the pot life h	nas expired.				
		For better application properties, the coatin and application.	ng temperature should be between 21 - 27 °C prior to the mixing				
		In coatings with variation in the application painted surfaces may present differences.	method in the same job, the final appearance and gloss of the				
			ther and environmental conditions during the application and nickness of the applied film may interfere with the product drying				
		For a good performance of the product, we	e recommend following the directions below:				
SAFET	Y PRECAUTIONS	For further information, consult WEG Technical Department. Product developed for industrial use intended for handling by qualified professionals.					
		·	ontained in the MSDS of this product, available at:				
		Store in a covered, well-ventilated area. K	eep the container tightly closed and away from sources of heat				

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	or ignition.
	Use only in well-ventilated areas avoiding the accumulation of flammable vapors. Keep the product away from heat and sources of ignition.
	Do not inhale mists / vapors / aerosols generated during handling and / or application.
	Wear protective gloves / protective clothing / eye protection / face protection.
	Avoid release of the product and its packaging, as well as materials used during handling and application in the environment.
NOTE:	The information contained in this technical datasheet is based upon the experience and knowledge acquired in the field by the technical team of WEG.
	If using the product without prior inquiry to WEG Coating concerning its suitability for the customer's intended purpose, the customer is aware that the use shall be its exclusive responsibility, WEG not being responsible for the behavior, safety, suitability or durability of the product.
	Certain information contained in this datasheet is merely an estimate, and can undergo variances arising from factors outside the manufacturer's control. Thus, WEG does not guarantee and does not assume any responsibility regarding the yield, performance or any other material or personal damage resulting from the incorrect use of the products concerned or the information contained in this Technical datasheet.
	The information contained in this technical datasheet is subject to periodic modification, without prior notice, due to the policy of evolution and continuous improvement of our products and services, providing solutions with quality to satisfy our customers' requirements.