

## W-SELF 354 EXP

<b>PRODUCT DESCRIPTION:</b>	Fast-drying single-component epoxy shop primer. It provides good flexibility, hardness and excellent applicability by flooding process.
<b>RECOMMENDED USES:</b>	Recommended for internal coating of conventional maintenance systems of structural steel of radiators, transformers and generators.
<b>CERTIFICATIONS AND APPROVAL:</b>	It complies with the Brazilian ABNT NBR 14274 — Determinação da compatibilidade de materiais empregados em equipamentos elétricos (óleo mineral isolante de radiadores).  This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.

PACKAGING:	Component	Content	Package	Unit of measurement
	Monocomponent	3,6 20 200	3,6 20 200	L

<b>CHARACTERISTICS:</b>	<b>Color:</b>	Red, White		
	<b>Gloss:</b>	Matte		
	<b>VOC content:</b>	649 g/l		
	<b>Volume solid:</b>	20 ± 2% (ISO 3233).		
	<b>Shelf-Life:</b>	12 months at 25°C.		
	<b>Thickness per coat (dry):</b>	15 µm –25 µm		
	<b>Theoretical coverage:</b>	10 m <sup>2</sup> /l without dilution in the thickness of 20 µm dry. Without considering loss factors in application.		
	<b>Resistance to dry heat:</b>	Maximum temperature 155 °C . The product retains its physical and chemical properties up to the temperature of 155 °C however, variations in the coating color and gloss may occur from 60 °C.		
	<b>Drying:</b>			
		<b>10°C</b>	<b>25°C</b>	<b>35°C</b>
	<b>Touch:</b>	1 hour	50 minutes	30 minutes
	<b>Handling:</b>	3 hours	2 hours	90 minutes
	<b>Final:</b>	192 hours	168 hours	120 hours

<b>SURFACE PREPARATION</b>	<p>The performance of this product depends on the degree of surface preparation.</p> <p>The surface must be clean, dry and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP 1 standard.</p> <p>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.</p> <p><b>Surface treatment by the layer conversion process (phosphating)</b> We recommend painting on phosphatized surfaces.</p> <p><b>For further information, consult WEG Technical Department.</b></p>
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<b>PREPARATION FOR APPLICATION</b>	<p><b>Mixture</b></p> <p>Homogenize the contents of the package by means of mechanical or pneumatic stirring. Ensure that no sediment is settled at the bottom of the package.</p>
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**Diluent**  
**Diluent sl 95**

**Dilution**

Depending on the application method, dilute at most 5%

Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.

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 and aspect of the film and not allow to reach the specified thickness.

**Pot life of the mixture (25°C)**

Not relevant

## APPLICATION 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.

Recoat 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 spraying characteristics. Before application, check the equipment and its components are clean and in best condition. Purge the compressed air line to prevent contamination of the coating.

The data below is a guide, and similar equipment may be used.

**Conventional gun:**

Gun:	JGA 502/3 Devilbiss or equivalent
Fluid nozzle:	EX
Air cap:	704
Atomization pressure:	50 - 70 psi
Pressure in the tank:	10 - 20 psi
Dilution:	5%

**Flooding:**

Application viscosity varies according to the ambient temperature and equipment height.

Recommended for application on transformers.

**Brush:**

Only recommended for touch up small areas or stripe coat (screws, nuts, weld and sharp edges). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch up.

**Roller:**

Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.

For application with brush and/or roller, two or more passes may be necessary to obtain a uniform layer according to the recommended film thickness per coat.

**Cleaning the equipment:**

Diluent sl 95

Clean all equipment immediately after use.

**NOTE:**

Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

Furthermore, it is a good working practice to periodically wash the spray equipment along the day. The cleaning frequency will depend on the amount sprayed, temperature and elapsed time, including all delays.

## PERFORMANCE IN THE APPLICATION

For a good performance of the product, we recommend following the directions below:

Variations in color, aspect and gloss (more noticeable in dark colors) may occur, as well as delay in curing and low coating performance, when applied during periods of high air relative humidity, rainy days, low temperatures or drying the coating outdoor.

In paintings carried out in front of the sea, if exposed to sea air, we recommend to wash with fresh water between coats eliminating settled impurities.

Light colors may require more than one coat for an even coverage.

It should not be applied in adverse conditions, such as air relative humidity above 85% or on condensed surfaces. Small variations in color, appearance and gloss of the coated parts may occur in periods of high air relative humidity, rainy days, at low temperatures or in situations where the coated parts are placed to dry outdoors.

Product not recommended for painting the interior of tanks

In order to fully comply with the Brazilian standard ABNT NBR 14274, oven drying is recommended (from 2 to 6 hours at 120 °C). For further information, consult WEG Technical Department.

We recommend coating only if the surface temperature is at least 3 °C above the dew point temperature.

Do not apply the product after the pot life has expired.

For better application properties, the coating temperature should be between 21 - 27 °C prior to the mixing and application.

In coatings with variation in application method in the same job, the final aspect and gloss of the painted surfaces may show differences.

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the coat may interfere in the product drying time.

For a good performance of the product, we recommend following the directions below:

For further information, consult WEG Technical Department.

## COMPATIBILITY OF SYSTEMS AND MAINTENANCE REFINISHING

The primer overcoating interval should be respected before applying the topcoat. If the maximum recommended overcoating interval is exceeded, manual/mechanical sanding is necessary to break the gloss. The primer surface must be dry and free of any contaminants.

For further information, consult WEG Technical Department.

## SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals.

Please read carefully all the information contained in the MSDS of this product, available at: [www.weg.net](http://www.weg.net).

Store in a covered, well-ventilated area. Keep the container tightly closed and away from sources of heat 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 this 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 previous 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 behavior, safety, suitability or durability of the product.

Some information contained in this datasheet are estimated, 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.

