



W-POLI HSM 452 PUTTY

PRODUCT DESCRIPTION

Polyaspartic resin-based putty. High solids, extra-fast drying.

RECOMMENDED USE

Recommended for wind turbine blades. Can be applied in a single thick coat, directly over fiberglass or specific primer (W-POLI HSM452 Putty and W-POLI HSM 452 Pore Filler).

CERTIFICATIONS AND APPROVALS

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

PACKAGING

Component A	3.6L Package containing 5.9kg 20L Package containing 30kg
Component B	1.5L Package containing 1.475#kg 5L Package containing 3.75kg

CHARACTERISTICS

Color	Gray.
Gloss	Matte
VOC content	2.89 g/l
Volume Solids	99 ± 1% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	500 µm - 3.000 µm
Theoretical Coverage	0,57 m ² /l without dilution at a dry film thickness of 1.750 µm. Loss factors during application are not considered.

DRYING

Drying	<hr/>		
	20 °C	25 °C	35 °C
Final	216 hours	168 hours	144 hours
Recoat Drying	<hr/>		
	20 °C	25 °C	35 °C
Minimum	70 min	50 min	50 min
Maximum	-	-	-

SURFACE PREPARATION

Standard Surface Preparation

The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department.

The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, and fats according to SSPC-SP1.

Remove accumulated dirt using a dry brush, clean dry cloth, compressed air blow, vacuum, or a combination of these. Remove soluble salts by washing with plenty of fresh water, preferably under low pressure (up to 5,000 psi), according to SSPC-SP12/NACE No. 5 standard.

Sanding

For fiber surfaces: sand and remove dust and impurities. For fillers or metal surfaces: sand until complete gloss removal, followed by cleaning dust and other impurities.

Fiber Surfaces

Proceed with sanding using 80/120-grit sandpaper until gloss is removed. Clean the surface again with cloths soaked in solvent, changing them frequently to remove sanding dust and residues.

APPLICATION PREPARATION

Mixing	Homogenize the component content with a spatula.
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as applied film thickness, may affect drying time.

Small variations in color, appearance, and gloss (more noticeable in dark colors), as well as delayed curing and performance compromise, may occur during high humidity, rainy days, cold locations, or when parts dry outdoors.

Under adverse weather conditions in indoor and/or outdoor environments with high relative humidity, rain or drizzle, low or very low temperatures, and excessively high temperatures, variations in color and other product characteristics may occur. Please consult WEG's Technical Department for more information.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: www.weg.net.

Store in a covered and well-ventilated place. 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. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

NOTE

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.
