

**HERESHIELD HPA 50**



|                                |   |   |
|--------------------------------|---|---|
| <b>PRODUCT DESCRIPTION</b>     |   |   |
|                                | High-performance waterborne paint.  |   |
| <b>RECOMMENDED USE</b>         |   |   |
|                                | Suitable for use in foundry and metalworking.   |   |
| <b>PACKAGING</b>               |   |   |
|                                | <b>Component A</b>  | 20L Package containing 20L  |
|                                | <b>Component B</b>  | 0.9L Package containing 0.72L   |
| <b>CHARACTERISTICS</b>         |   |   |
|                                | <b>Color</b>  | Gray.   |
|                                | <b>Gloss</b>  | Gloss (>80 UB) HERESHIELD HPA 501   |
|                                | <b>VOC content</b>  | 13.44 g/l   |
|                                | <b>Volume Solids</b>  | 33 ± 2% (ISO 3233)  |
|                                | <b>Solids by Weight</b>   | 50 ± 5 %  |
|                                | <b>Flash Point</b>  | 97 °C   |
|                                | <b>Shelf Life</b>   | 12 months   |
|                                | <b>Dry Film Thickness</b>   | 30 µm - 40 µm   |
|                                | <b>pH</b>   | 9,5   |
|                                | <b>Theoretical Coverage</b>   | 9,43 m <sup>2</sup> /l without dilution at a dry film thickness of 35 µm. Loss factors during application are not considered. |
|                                | <b>Specific Gravity</b>   | Min: 1.18 Max: 1.28 g/cm <sup>3</sup>   |
|                                | <b>Supply Viscosity</b>   | 60 - 70 Ku  |
| <b>DRYING</b>                  |   |   |
|                                |   | <b>25 °C</b>  |
|                                | <b>Touch Dry:</b>   | 1 h   |
|                                | <b>Handle Dry:</b>  | 3 h   |
|                                | <b>Full Cure:</b>   | 10 days   |
|                                | <b>Minimum recoat drying time:</b>  | 5 h   |
|                                | <b>Maximum recoat drying time:</b>  | 2 days  |
| <b>SURFACE PREPARATION</b>     |   |   |
|                                | <b>Standard Surface Preparation</b>   |   |
|                                | 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. |   |
|                                | For more information, consult the WEG Coatings Technical Department.  |   |
|                                | <b>Degreasing</b>   |   |
|                                | Substrate degreasing is required.   |   |
| <b>APPLICATION PREPARATION</b> |   |   |
|                                | <b>Mixing Ratio</b>   | By volume: 7 A x 1 B.   |
|                                | <b>Thinner</b>  | WATER   |



|                 |  |
|-----------------|--|
| <b>Dilution</b> | Depending on the application method, dilute to a maximum of 10%.   |
| <b>Pot Life</b> | <p>2 h</p> <p>The shelf life of the mixture is reduced as the ambient temperature increases.</p> <p>The pot-life test of the mixture is carried out according to ABNT NBR 15742; however, different volumes of paint prepared at once, combined with varying ambient and paint temperatures, will affect the mixture's shelf life, potentially resulting in outcomes different from those stated in this technical bulletin.</p> |

**APPLICATION METHODS**

|                                    |   |
|------------------------------------|---|
| <b>Conventional Spray Gun</b>      | Conventional Spray Gun.   |
| <b>Cleaning of the equipments:</b> | WATER   |
| <b>Notes</b>                       | It is considered good practice to periodically wash the spraying equipment during the day. The cleaning frequency depends on the amount sprayed, temperature, and elapsed time, including all delays. |

**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](http://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.  
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