

## WATER BASED ANTICORROSIVE PRIMER/FINISH (N6000-5-5)

### PRODUCT DESCRIPTION

A water based air drying coating based on a modified acrylic resin, formulated for use as a dip or spray applied one coat anticorrosive primer/finish over suitably prepared cast iron and steel components. This system will provide 500 hours continuous salt spray under ASTM B117 at 50 $\mu$  DFT.

### USES

Designed for use as a primer/finish onto cast iron and steel substrates, can be overcoated with Aquabond HP10 or Aquabond HP15, and a variety of 2K solvented systems.

### TECHNICAL PROPERTIES

<b>Colour</b>	Black
<b>Finish</b>	Matt
<b>Curing Agent</b>	n/a
<b>Mix Ratio</b>	n/a
<b>Specific Gravity</b>	1.2
<b>Volume Solids</b>	30%
<b>Recommended Film Thickness</b>	80-160 $\mu$ m WFT / 25-50 $\mu$ m DFT
<b>Theoretical Spreading Rate</b>	6 – 12 m <sup>2</sup> /litre
<b>Application Method</b>	Spray, Dip
<b>Flash Point</b>	> 40°C
<b>VOC</b>	25 g/litre

<b>Drying Times*</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
Touch Dry	40 minutes	20 minutes	10 minutes
Hard Dry	1 hour	40 minutes	30 minutes
Minimum Overcoat	4 hours	2 hours	1 ½ hours
Maximum Overcoat	Indefinite	Indefinite	Indefinite

\* This product can be force dried – typical schedule is allow 5-10 minutes flash off, then 5-10 minutes at 40-70°C. It is not recommended to exceed maximum component temperature of 70°C.

### CERTIFICATION/APPROVALS

**RECOMMENDED SYSTEMS** Aquabond HP10, Aquabond HP15

### SURFACE PREPARATION

Surfaces to be painted should be clean, dry and free of any oil or grease. Ideally components should be freshly shot/grit blasted and should be free from any corrosion before painting commences.

## PRODUCT APPLICATION

<b>Mixing</b>	Stir thoroughly before use.
<b>Thinners</b>	De-Ionised or Soft Water.
<b>Dip Application</b>	Thinning ratio should be determined by use, but as a rough guide somewhere between 10-25% should give required finish. Avoid the use of hard water. The dip tank and pipe work should be fabricated from suitable corrosion resistant materials. At application viscosity, should be kept agitated by circulating in a weir equipped dip tank. Circulation should be carried out using a suitable low shear pump such as diaphragm or peristaltic. High shear pumps must not be used.
<b>Conventional Spray</b>	Use as supplied. Typical 50-60 psi pressure and 1.4-1.8 mm diameter nozzle.
<b>Airless Spray</b>	Use as supplied. Typical 0.38-0.53 mm, 65-80° angle and 1800-2000 psi pressure.
<b>Air Assisted Airless Spray</b>	Use as supplied. Use 30-40 psi pressure and 1.2-1.8 mm diameter nozzle.
<b>Cleaner</b>	Water
<b>Cleanup Considerations</b>	All equipment should be cleaned immediately after use with water. It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

## HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited. The user must observe local health, safety and environmental regulations when using this product. Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

## PACK SIZES

10 litre, 200 litre drum, 1000 litre IBC

## PACK WEIGHTS

10 litre: 12 kg.    200 litre : 240 kg.    1000 litre : 1200 kg.

## STORAGE CONDITIONS

Store away from extremes of temperature. A shelf life of 6 months should be expected.

**PROTECT FROM FROST AND STORE ABOVE 5°C. ENSURE STRICT STOCK ROTATION IS PRACTISED.**

## LIMITATIONS

Do not apply when RH exceeds 88% or the surface is less than 2°C above dew point.

**USE ONLY AS A PRIMER/FINISH WHEN SYSTEM IS TO BE EXPOSED TO EXTREME TROPICAL CONDITIONS.**

## DISCLAIMER

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It is the user's responsibility to ensure that this sheet is current prior to using the product.