



TECHNICAL DATA SHEET

ACE13 – One-Pack Polyurethane Finish

Reference
ACE 13

Revision No
1

Revision Date
2nd February 2009

Printed
2nd February 2009

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Product	<p>DESCRIPTION</p> <p>This is a single component top coat and is formulated using a polyurethane alkyne resin system.</p> <p>INTENDED USE</p> <p>ACE 13 is specially prepared for agricultural implements and general machinery to dry quickly to a hard gloss finish which is resistant to oil and petrol. For use on wood or metal surfaces by brush or spray application.</p>
Technical Data	<p>COLOUR</p> <p>Available in most BS 4880, BS 2660, BS 381C, RAL, etc. Some colours may contain lead-chromate pigments, check label for details.</p> <p>VOLUME SOLIDS:</p> <p>44% - 48% dependent on colour</p> <p>DRY FILM THICKNESS (DFT):</p> <p>A dry film thickness of 37 – 50 microns is recommended, which is approximately equivalent to a wet film thickness of 80 – 100 microns.</p> <p>THEORETICAL COVERAGE:</p> <p>12 sq. Metres per litre @ 40 microns DFT. Nb. The practical coverage rate depends on many factors and will be less than the theoretical factor.</p> <p>METHOD OF APPLICATION:</p> <p>Apply by brush, spray or roller to suitably prepared substrate.</p> <p>DRYING TIME:</p> <p>Touch Dry: 1 – 2 hours Through Dry: 4 – 6 hours Hard Dry: Overnight</p> <p>Drying times will vary with actual conditions such as film thickness, air movement, temperature, humidity, along with the presence of primer (and the type of primer applied).</p> <p>FLASH POINT:</p> <p>Above 32 degrees C.</p> <p>SHELF LIFE:</p> <p>12 months in unopened container, dependent on temperature and atmospheric conditions; mix thoroughly before use.</p> <p>HEALTH & SAFETY:</p> <p>Refer to MSDS Reference – ACE13 One-Pack Polyurethane Finish.</p>
Application	<p>SURFACE PREPARATION:</p> <p>Should be applied to suitably prepared or undercoated surface. Clean old paintwork, removing any loose and flaky paint, any oil or colour residues, dust, scale, rust, etc. These surfaces need to be lightly flatted.</p> <p>APPLICATION PROCESS:</p> <p>Mix thoroughly before use. Apply by conventional spray, brush or roller. Application temperature should be between 5 – 35 degrees C.</p> <p>Painting should only be carried out under good atmospheric conditions and clement weather. Painting and preparation should never be undertaken when the air temperature is likely to fall below 5 degrees C, or the surface to be painted is damp or when condensation may occur during the initial drying period (such as when there may be snow, fog, mist or rain imminent).</p> <p>OVERCOATING:</p> <p>Re-coat after overnight drying</p> <p>WET FILM THICKNESS:</p> <p>Approx. 85 – 100 microns</p>



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Thinning & Cleaning

THINNING:

This product is supplied 'ready-to-use' for brush or roller. Slight thinning may be required for spraying with ACE thinner TH10.

CLEANING:

Clean all equipment immediately after use with the above solvent. Ensure all lines, tips, etc. Are thoroughly flushed out. It is not sufficient to leave equipment filled up with solvent.

The foregoing information is given in good faith on the basis of practical experience and extensive laboratory tests. Quoted figures are either theoretical values or typical of production batches. However, as we have no control over the conditions of application or the quality and standard of preparation of the substrate and the many other factors affecting the use and application of the product, the customer must determine the suitability of the delivered product for the intended application. Therefore unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of this product or for any loss or damage arising out of the use of the product, or its use in conjunction with other manufacturer's product(s).

Stir the paint well before use and always check the shade as no responsibility for a colour compliant is accepted after application. The information in this data sheet is liable to modification from time-to-time in the light of experience and our policy of continuous improvement.