



TECHNICAL DATA SHEET

ACE11 – Low-Odour Anti-Corrosive OCF

Reference
ACE 11

Revision No
1

Revision Date
14th February 2009

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Properties & Uses

PROPERTIES

High-quality low-odour range of quick drying, anti-corrosive, one-coat industrial eggshell finishes for steel. Suitable for brush application and by most types of spray equipment. (See application section for further details). Wet film thickness of up to 400 microns may be applied without sagging occurring. Finishes from this range do not contain Xylene, resulting in a low-odour coating.

USES

Air drying one coat finishes for use on industrial machinery, metal fabrications, castings and a wide range of engineering articles.

Technical Data

TYPE

Modified alkyd resin system containing zinc phosphate together with selected pigment extenders.

DRYING TIME

Surface dry within approx. 1 hour to BS3900 Part C2 under normal conditions of temperature and humidity, handleable after 2 hours. These finishes may be re-coated with a second coat after allowing the first coat to dry for a minimum of 16 hours. Paints from this range may also be force dried for a maximum of 30 minutes at 50°C.

THEORETICAL SPREADING CAPACITY

Approximately 7.5 sq.metres per litre on smooth non-porous surfaces to achieve a dry film thickness of 50 microns.

FLASH POINT

In the range of 21 – 55°C – FLAMMABLE LIQUID

NON-VOLATILE CONTENT

These figures will vary slightly depending upon the pigmentation but are nominally within the following ranges.

By volume: 35 – 40%

By weight: 55 – 60%

VOLATILE ORGANIC CONTENT (V.O.C.)

In the range of 450 – 500gm/litre

THINNERS AND CLEANING SOLVENT

ACE Thinner Ref:TH010

OIL RESISTANCE

Good resistance to most hot and cold lubricating and cutting oils. Tests for suitability with any particular oil should be made before large scale application.

LEAD CONTENT

All paints in this range are manufactured to no added lead formulations.

COLOUR RANGE

Colours made to meet customer requirements.

Container Sizes

20 Litre Containers

Other sizes are available by special arrangement

Processes

PREPARATION

The surface must be clean, dry and free from grease, dust, dirt, rust and peeling or other loose flaking material or any other containment.

FINISHING – Spray Application

One coat of a paint from this range is satisfactory for most purposes or a 'wet-on-wet' application technique may be employed if a higher film thickness is required. A second coat or a banding coat can be spray applied after 16 hours drying.



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Processes....continued	<p>FINISHING – Brush or Roller Application Suitable for painting large areas and can be used for ‘touch-up’ for damaged areas or for painting small articles.</p> <p>MASKING - After overnight drying using a low tack masking tape. SANDING - Best results for sanding are obtained after three days drying.</p> <p>TEST CONDITIONS All drytimes and overcoat times tested at 50 microns dry film thickness under normal conditions of temperature and humidity to BS3900 PART C. Note increasing the film thickness above 50 microns will increase drytimes and overcoat times.</p>
Application	<p>BRUSH OR ROLLER Supplied ready for use</p> <p>CONVENTIONAL SPRAY (Suction or pressure pot feed) Supplied ready for use. Spraying pressure 55 – 65 p.s.i. Fluid tip size 1.8mm</p> <p>AIRLESS SPRAY AND HOT AIRLESS SPRAY Supplied ready for use. Suggested airless spray pressure, approx 500 – 1,000 p.s.i. Recommended spray tip size 13 – 15 thou.</p> <p>AIR ASSISTED AIRLESS SPRAY Supplied ready to use. Suggested air assisted spray pressure approx. 500 – 1,000 p.s.i. Recommended fluid tip size 13 – 15 thou.</p> <p>APPLICATION CONDITIONS Mix thoroughly before use, apply a full even coat. Do not apply or dry when surface temperature is below 10oC or in high humidity or when condensation is likely to occur. Painting should only be carried out under good atmospheric conditions and clement weather.</p> <p>Preparation, painting and drying should <u>never</u> be undertaken when the air temperature falls below the minimum temperature. For the coating, or during fog, mist, snow or when rain is imminent, or when the surface to be painted is wet with condensation or when condensation may occur during the drying period.</p>
Storage	<p>Use within 12 months of delivery Keep in original containers until required for use. Partly used containers should be re-sealed securely and stored according to the recommended manner (see section 7 of Material Safety Data Sheet, MSDS associated with this product)</p>
Health and Safety	<p>THIS MATERIAL IS FLAMMABLE. REFER TO ACE COATINGS MATERIAL SAFETY DATA SHEET FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROLS / PERSONAL PROTECTION AND DISPOSAL.</p>

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.