



TECHNICAL DATA SHEET

ACE 9 PREMIUM QD HB ANTI-CORROSIVE 1 COAT PRIMER/FINISH

Reference	Revision No	Revision Date	Printed	Page 1 of 2
ACE9	1	20 October 2006	23 October 2006	

ACE Coatings Limited - Sheffield Business Centre - Europa Link - Sheffield - S9 1XZ
Tel/Fax: 01142 213807 Email: tony@acecoatings.co.uk
Visit: www.acecoatings.co.uk

Properties and Uses

PROPERTIES

High quality, general purpose range of one coat industrial anti-corrosive semi-gloss finishes for steel. Gives a good all round durable paint film with good exterior durability.

USES

High build finishes for use on industrial machinery, metal fabrications, castings, and a wide range of engineering articles, etc.

Technical Data

TYPE:

Short oil modified alkyd resin with carefully selected pigments.

DRYING TIME:

Touch dry 15 minutes and through dry About 1 hour to BS3900 part C2 under normal conditions of temperature and humidity.

Full cure after 7 days at average DFT 80µ.

THEORETICAL SPREADING CAPACITY:

Approximately 5 square metres per litre on smooth non-porous surfaces, depending on surface porosity and texture to achieve a dry film thickness of 85 microns.

FLASH POINT:

In the range 21 - 55°C FLAMMABLE LIQUID.

NON VOLATILE CONTENT:

These figures will vary upon the pigmentation used but are normally within the following ranges:

By Volume Approx 43% dependent on colour.

THINNERS AND CLEANING SOLVENT:

Thinners Ref. ACE TH012.

OIL RESISTANCE:

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

CHEMICAL RESISTANCE:

Good resistance to most common dilute acids and alkalis. Tests should be made for resistance to particular reagents before large scale applications.

COLOUR RANGE:

Shades to meet customers special requirements can be supplied by arrangement.

LEAD CONTENT:

Some pigments within this range may contain lead based pigments. Please refer to the labels of the individual paints to identify lead containing products.

Stock Container Sizes

5 and 20 litres.

Processes

PREPARATION:

The surface to be painted must be clean, dry and free from grease, dust, dirt, rust and peeling of loose material or any other contamination. Do not apply or dry when air or surface temperature is below 10°C or in high humidity or where condensation is likely to occur.

FINISHING:

Mix thoroughly before use and apply a full even coat.

OVERCOATING:

Good overcoating properties under normal temperature and humidity.

WARNING:

Over previously painted surfaces first test a small area to ensure that there is no lifting.



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Application	<p>BRUSH/ROLLER: Supplied ready for use, for small area's only.</p> <p>CONVENTIONAL SPRAY: Thin as necessary with Thinners Ref. ACE TH012.</p> <p>AIRLESS SPRAY: Supplied ready for use, tip size 13 - 15 thou.</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 ACE Material Safety Data Sheet Ref.).</p>
Health and Safety	<p>THIS MATERIAL IS FLAMMABLE. REFER TO ACE MATERIAL SAFETY DATA SHEET REF. FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROLS / PERSONAL PROTECTION AND DISPOSAL.</p>
Precautions in Handling and Use	<p>Avoid the inhalation of vapours and particulates by the provisions of good natural ventilation sufficient to keep air-borne concentrations below the Occupational Exposure Standards (OES) during the application and drying of paint films.</p> <p>Note: Occupational Exposure Standards are controlled by the Health and Safety Executive (HSE), reviewed annually and published as EH40.</p> <p>In operations where natural ventilation is insufficient to achieve this - e.g. painting work in enclosed areas - exposure should be controlled by the use of local exhaust ventilation. When this is not reasonably practicable, suitable respiratory protective equipment must be worn. For spray application or when OES's are likely to be exceeded, use the respiratory equipment as recommended in BS4275:1974. This specification gives advice on selection, use and maintenance of various types of breathing apparatus. Protect other persons in the area.</p>