

Data sheet A405

AWDEC Water Dispersible Epoxy Coating

INTRODUCTION

Awdec is a low odour, water dispersible high build epoxy coating, formulated to provide a tough, durable, decorative glossy wall and ceiling finish.

Awdec is easily cleaned and can be washed down repeatedly with the majority of detergents, cleaning solutions and disinfectants.

Awdec is available in white and a range of pastel shades.

ADVANTAGES/FEATURES

Low odour/water based system, non-flammable.

Supplied at high volume solids - 68%.

Excellent adhesion to steel and most building substrates.

Contains biocides to inhibit bacterial/mould growth.

Good resistance to a wide range of chemicals.

Meets UK Class '0' fire rating.

Easily repaired by overcoating, excellent adhesion to itself.

TYPICAL APPLICATIONS

Food, dairy and soft drink industries, breweries, bakeries, abattoirs, school and hospital kitchens, pharmaceutical and electronics industries.

METHOD OF USE

STORAGE

All materials must be stored prior to use under cover, preferably in a dry heated store. Materials stored at low temperatures (below 10°C) become more viscous and thus difficult to mix and apply. Do not store below 5°C. If crystals are observed due to low temperature storage, contact APML Technical Sales Department.

SURFACE PREPARATION

All surfaces should be clean and free from laitence, loose, weak or flaking material. All contaminants such as mould, oil, grease etc. must be removed. Old gloss paint should be abraded to provide a surface key, remove dust. (Note: Existing Awdec only needs to be clean and sound).

Steel surfaces should be shot-blasted to SA 2½ standard (and then coated within 4 hours).

AMBIENT TEMPERATURE

The ambient temperature should be at least 5°C and preferably 10°C during application and curing. If necessary, heating should be applied sufficiently in advance of the time of application to ensure that the temperature of the substrate and surrounding air is at least this level before starting work. The work area should be ventilated to allow water to evaporate from the coating. High relative humidity levels should be avoided as this will retard water loss from the coating. The coating must not be applied under dew-point conditions.

MIXING

Awdec is supplied as a two component (Parts A & B) system to which clean water is added as a thinner.

Add the entire contents of the Part B container to Part A and thoroughly mix. The required water (see below) is then added and the whole mixed again. To ensure against the error of unmixed material on the sides, and more particularly on the bottom of the can, it is good practice to pour the material into another clean container and mix again thus ensuring a uniform mixture.

APPLICATION

By Brush:

Brushing should be used only for relatively small areas and 'cutting in'. If necessary thin with the minimum amount of water required to give good flow.

By Roller:

Thin with 0.5kg (litre) water. One coat should be applied and allowed to dry overnight. The following day a second coat is applied followed by a third coat 10 - 20 minutes later (i.e. two coats applied wet on wet). The use of a foam roller is preferred.

By Spray:

Thin with the minimum amount of water required to give good atomisation [typically 0.25 - 0.5kg (litre)]. Both conventional and airless spray methods may be used. Apply 2 or more coats to achieve the required dry film thickness.

TECHNICAL SPECIFICATION

General data for guidance purposes only (approximate figures)

Packing	5kg pre-weighed packs
Density of mixed material	1.52 kg/litre
Volume of pack	3.3 litres
Volume solids (unthinned)	68%
Theoretical coverage/pack	
Thickness	200 microns (8 thou)
Area	11m ² (120 ft ²)
Pot life	1½ - 2 hours depending upon the ambient conditions
Cure time	
Touch dry	4 - 6 hours at 20°C (68°F)
Hard dry	Overnight
Full cure	7 days
Service temperature range	- 20°C to + 65°C

HEALTH AND SAFETY

This product contains substances that are classified as hazardous according to the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (as amended). The product is labelled in accordance with these regulations and further information regarding health hazards, handling, storage etc. is detailed in the Material Safety Data Sheet(s). In addition to considering the advice given by APML, all users must conform to the Control of Substances Hazardous to Health Regulations, 1994 (as amended).

DISCLAIMER

All coverages and thicknesses quoted are nominal and will be affected by substrate profile and porosity.

The information in this Data Sheet, given in good faith, is based on results gained from experience and tests. Since application and use are beyond our control, no condition or warranty is given covering the results from the use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept any responsibility for any loss or damage, howsoever caused arising from the said use.