

PRODUCT SPECIFICATIONS

ABCOLUX 155

High Build Epoxy Amine Adduct

PRODUCT DESCRIPTION

A solvent based high build chemically resistant, amine-adduct cured epoxy coating.

DESIGN FEATURES.

An internal tank lining suitable with a wide range of chemicals. Approach your ABCO Paints representative for cargo resistance suitability and advice.
As a non-toxic chemical resistant finish coat in the food and chemical industries.
Suitable for use in contact with potable water.
Recommended for use as an anti-corrosive build coat for structural steel in mild to aggressive environments.
Suitable for application on concrete for chemical resistant floorings.
Conforms to Shell Spec DEP 40 48 00 30 Gen Part V.

PHYSICAL CHARACTERISTICS

Recommended Application Data		Wet (µm)	Dry (µm)	M ² /ltr
Theoretical Coverage		225	125	4.5
Specific Gravity	1.6 ± 0.1 Kg/ltr			
Volume solids	56% (based on ASTM D2697)			
Dry Film Thickness Range	125 µm to 200 µm			
Flash Point	30 °C			
Finish	Low Sheen			
Colour Range	White / light Buff			
Standard Packing Size	20 liters set (15.0 liters Base : 5.0 liters Hardener)			
Mix Ratio (by volume)	3 Base : 1 Hardener			
VOC	340 grams / ltr			
Shelf Life (cool & dry place)	12 months			
Temperature	Up to 120 °C			

APPLICATION METHOD

AIRLESS SPRAY	Tip Size : 0.53 - 0.58 mm (21 - 23 thou)
Recommended method of application	Pressure : 110 - 160 kg/cm ² (1600 - 2300 psi)
CONVENTIONAL AIR SPRAY	May be used. May require additional dilution to achieve good atomisation.
BRUSH OR ROLLER	May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.

DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
20 °C	4 hours	12 hours	16 hours	7 days	8 hours
25 °C	3 hours	10 hours	14 hours	6 days	6 hours
30 °C	2 hours	8 hours	12 hours	5 days	4 hours
35 °C	1.5 hours	6 hours	10 hours	4 days	3 hours

USEFUL INFORMATION

THINNER	: ABCOTHINNER 7 - 44 (Maximum 5% addition)
CLEANER	: ABCOTHINNER 7 - 77
STORAGE	: Store in a cool dry shaded area.

SURFACE PREPARATION

The service life span and the service performance of ABCOLUX 155 are directly related to the degree of surface preparation.

- ABCOLUX 155 should be applied to a surface that has been blast cleaned and suitably primed (e.g. with ABCOLUX 610 or ABCOLUX 66).
- The underlying system should be intact, sound and undamaged. The primer should be either 2 pack epoxies, polyurethane or zinc silicates.
- Ensure that the surface to be over-coated is clean, dry, free from dust, grease and oil or any other surface contaminants.
- A fresh water wash must follow to remove all soluble salts.
- Always ensure that the maximum over-coating time for the primer/build coat is not exceeded prior to application.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

TYPICAL COATING SPECIFICATION

Substrate Surface	Priming	2 nd Coat	3 rd Coat
STEEL Abrasive Blasted - Sa2½	ABCOLUX 610	ABCOLUX 155	ABCOLUX 155

NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Abco Paints representative.
- Please consult your Berger Paint Representative for recommendations on suitability for the containment of specific cargo / cargoes.
- Common to all epoxies this product will experience yellowing and chalking on prolonged exposure to sunlight. However, this phenomenon is not detrimental to coating performance.
- Exposure to very low temperature, high humidity or water pounding during and immediately after application may result in incomplete cure and / or discolouration that may compromise subsequent inter-coat adhesion.

SAFETY PRECAUTION

Avoid contact with eyes and skin. Wear suitable protective clothing such overalls, goggles, dust mask and gloves. Use barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

This product is flammable. Keep away from sources of ignition. Do not smoke.

Take precautionary measures against static discharge.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

FIRST AID

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

DISCLAIMER

The information provided on this data sheet is not intended to be complete and provided as general only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which it wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance or would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.