

OVERVIEW

EP ADDASOL SHIELDCOAT is a two part, 60% solids, pigmented solvent based epoxy resin using an especially blended solvent mix. EP ADDASOL SHIELDCOAT is designed for use as a pigmented coating or line marking paint for concrete, steel, architectural aluminium and galvanised steel.

PREPARATION OF SURFACE

The surface to be treated should be free of laitance, oil, grease and loose friable particles which could affect adhesion. Vacuum assisted shot blasting or grinding of the surface is recommended. The substrate must have a maximum of 4% moisture content and be protected against any moisture ingress from underneath.

It is highly recommended to prime a metal surface before application. Please refer to EP Addasol Shieldcoat Primer data sheet for further information on preparation and applications details.

MIXING & APPLICATION

EP ADDASOL SHIELDCOAT is supplied in units ready to use, comprising of Part 'A' (Resin) and Part 'B' (Hardener). First stir thoroughly contents in container 'A' to a homogenous consistency, then scrap contents of 'B' into container 'A' and mix thoroughly for several minutes using a low speed electric drill. Use protective gloves and goggles. Failure to mix thoroughly will result in poor or non cured material. Keep all containers at room temperature 24 hours before use.

The temperature of the substrate must be 3 degrees above the dew point temperature of the room. See Addagrip Dew Point table for assistance. EP ADDASOL SHIELDCOAT should not be applied at temperatures below 10°C nor above 30°C. Relative humidity should not exceed 80%.

Apply the mixed EP ADDASOL SHIELDCOAT immediately by brush or roller onto the prepared surface. Particular attention should be given to areas around obstructions and protrusions making sure that all surfaces are covered.

HEALTH & SAFETY

Before using this product, please ensure you have been supplied and have read carefully the following:-

1. The hazard label (complying with CLP – European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of substances and mixtures) applied to the container.
 2. Safety Data Sheet
- Avoid prolonged contact with eyes and skin. For detailed information refer to relevant safety data sheet.

FLAMMABLE - KEEP AWAY FROM NAKED FLAMES

PACKAGING & STORAGE

Packaged in 5kg units. Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

CLEANING OF EQUIPMENT & SKIN

Tools, brushes etc... should be cleaned immediately after use in Addagrip Solvent Mixture. For cleaning of hands/skin, use a deep cleaning soap with water. Please note if a rash appears seek medical attention.


DISPOSAL CONSIDERTIONS

Normally the Part A resin will be mixed in its own container with Part B. When this is done correctly the resultant material in the container is inert and the label must be defaced. The container and remnant may be disposed of as normal industrial waste. Any uncured material must be disposed as hazardous waste. Please consider the regional or national regulations regarding disposal.

TECHNICAL DATA

Product	Solvent based epoxy coating
Density	1.3-1.5g/cm ³
Colour	Black, green, red, white and yellow
Application Temperature	+10°C to 30°C
Surface Temperature	Must be 3°C above the dew point temperature.
Pot life at 20°C	Approx. 16 hours
Cure at 20°C	Initially 6-8 hours, full chemical cure 7 days
Material Consumption/Coverage	0.15 – 0.25 kg/m ²
Slip potential	Low when dry, moderate when wet (Slider 96)
Packaging	Supplied in 5kg units (3.9kg A: 1.1kg B)
Storage	12 months in original unopened containers.

CE MARKING

	
Addagrip Terraco Ltd, Bell Lane Industrial Estate, Uckfield, East Sussex, TN221QL 13	
EN 13813 SR-B2.0-AR0.5-IR>9.8 <i>Synthetic resin screed material for use internally in buildings</i>	
Reaction to fire:	B _{fl} –s1
Release of corrosive substances:	SR
Wear resistance:	AR0.5 ¹
Bond strength:	B>3.7 ²
Impact resistance:	IR>9.8
Compressive strength:	NPD ³
Flexural strength:	NPD ³
Surface hardness:	NPD ³
Resistance to rolling wheel with floor covering:	NPD ³
Shrinkage and swelling:	NPD ³
Consistency:	NPD ³
pH value:	NPD ³

1) Determined according to BCA method.

2) Coating did not disbond from concrete.

3) NPD: Characteristic value not specified.

For technical enquiries please contact your nearest representative:

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