

DULUX

SELF-LEVEL EPOXY FLOOR COATING

A351 (HIGH PERFORMANCE-SOLVENTBORNE)

PRODUCT INFORMATION

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| PRODUCT NAME | Dulux High Performance Self-Level Epoxy Floor Coating. |
| PRODUCT CODE | Base: A351- Line Converter: A351-C6999 Filler: A351 – F6555 |
| DESCRIPTION | A high performance, chemically-cured, solvent-free self-leveling epoxy floor coating with excellent chemical, corrosion, moisture, stain and abrasion resistance for use on industrial and commercial concrete floors, provides a smooth and easy cleaned surface. |
| USAGE | To provide an easy to clean, chemical resistant and hard wearing floor finish. For use on the areas where clean and high resistance to chemical and mechanical attack are required. Typical areas of use include electrical plant, food processing plants, pharmaceutical plants, traffic aisles in factories or warehouse, hospitals, laboratories, corridors, public housing and public buildings. |
| BENEFITS | Seamless and hygienic finish, no crevices where dirt and bacteria can dwell. Excellent chemical resistance to sugar and acids. Easy to clean and sterilize, low maintenance requirement Attractive, light reflectant appearance. High abrasion and impact resistance, Solvent free; low odour, Fast installation & Outstanding hardness and toughness. |
| PACK SIZE | 20 litres units comprising Base: 10.22 kg; Converter:4.08kg; Filler: 15.02kg |
| COLOUR RANGE | Available in a range of standard colours. Most British Standard and RAL colours can be provided with special order. |

PERFORMANCE GUIDE

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| FILM PROPERTIES | | | |
| Compressive Strength | (BS 6319) - > = 55 N/mm ² | | |
| Flexural Strength | (ASTM D 2370) - > = 33 N/mm ² | | |
| Tensile Strength | (ASTM D2370) - > = 15 N/mm ² | | |
| Bond Strength | (ASTM D 4541) -> cohesive strength of concrete | | |
| Abrasion Resistance | (C & CA Abrasion as per BS8204) - = < 0.05mm | | |
| Impact Resistance | (ASTM D2794) – Good | | |
| Decontamination Classification | As per BS4247 Pt 1 test A | | |
| CHEMICAL RESISTANCE | | | |
| Excellent resistance to sugars and most acids (organic or inorganic) | | | |
| Hydrochloric Acid 10% | Good | Sulphuric Acid 25% | Excellent |
| Citric Acid | Good | Acetic Acid 5% | Limited |
| Lactic Acid 10% | Limited | Acetone | Limited |
| Methanol | Limited | Sugar Syrups | Good |
| Caustic Soda | Good | Petrol | Limited |
| Oil | Good | Detergents | Good |

PRODUCT DATA

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| COMPOSITION | Pigment : Lightfast Non-Lead and Mineral Extenders. Blinder : Epoxy Polyamine. |
| SOLIDS CONTENT | 100% |
| THEORETICAL COVERAGE | A guide to the theoretical coverage which can be achieved under normal conditions is 0.6m ² /kg at 1 mm thickness. |
| SERVICE TEMPERATURE LIMITS | 121°C dry. |
| SHELF LIFE | Over 12 months at 25°C – unopened. |
| MIX RATIO BY VOLUME | 2.5 (base) : 1 (converter) : 3.68(filler) |
| INDUCTION TIME | None |
| POT LIFE | 45 mins. |
| FLASH POINT | >93°C. |

APPLICATION

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| THINNING | DO NOT THIN. |
| DIRECTION FOR USE Priming Mixing | Use Preprime 167 and allow to dry overnight before topcoat. Pack components are pre-weighed for optimum performance. Never split or proportion packs. Add Hardener B to Base A container. Mix with slow speed drill and Helical spinner head for 2 minutes. Transfer to large container and mix in the Filler C with a drill and Helical spinner, or in a pan type mixer, until uniform. Take care to minimize the entrain air and do not add solvent or thinner. |
| Application Finishing | Immediately after mixing, spreading using a steel trowel to the required thickness. The mixed SLE coatings must be applied within the potlife. Immediately after spreading, Dulux SLE A351 should be rolled with a spiked roller to release any entrapped air. It should be rolled again with a spiked roller 25-35 minutes later (depending on temperature). |
| CURING TIMES Initial Cure (Light Traffic) Full Cure (Heavy Traffic) | 48 hrs 7 days |
| CLEANING UP | Clean immediately after use with T-10 or T-5 thinner. |

PRE - APPLICATION

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| SUBSTRATE REQUIREMENTS | Must be of sufficient strength to support loads applied through the topping. Must be free from rising damp. If moisture content is above 75% RH as per BS8203, use a Surface Damp Proof Membrane. All contamination must be removed to give a clean dry textured surface. |
| SURFACE PREPARATION Old Concrete New Concrete Surfaces Steel Surfaces | Totally enclosed shot blasting or scarification. All residues must be removed to provide a dry, dust free open textured surface. All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agent curing compounds, efflorescent, loose and flaking paints and other foreign substance. All damaged areas of floor should be made good and level before applying over with Preprime 167. To level slight undulations in the floor, a scratch coat of Dulux SLE A351 can be applied followed by a 50 mesh sand scatter to smoothen and allowed to cure prior to application. Set at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or precast concrete by sand sweeping. Remove loose aggregate. All oil, grease contaminants, loose rust, loose scale and loose paint must be removed. Best performance will be obtained by treating all surfaces with Devco Coatings Devprep 88 Cleaner, following by a high pressure water wash and allow to dry. Prime with Preprime 167. |

PRECAUTION

SAFETY, HEALTHY AND ENVIRONMENTAL INFORMATION

A351-11669 BASE

FLAMMABLE

Irritating to eyes, respiratory system and skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May cause sensitisation by skin contact. Avoid contact with skin/eyes.

If swallowed seek medical advice immediately and show this container or label.

If swallowed, rinse mouth with water (Only if the person is conscious).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

To remove splashes of paint from skin, use soap and water or a recognised cleanser.

Contains Epoxy constituents. See information provided by the manufacturer.

Keep away from food, drinks, animal feed and out of the reach of children

Keep away from combustible material.

Container must be stored in a cool, shaded place and tightly closed in a secure, upright position.

Take precautionary measures against static discharges.

Work in a well ventilated area and do not breathe in vapour or spray

When applying paint, wear suitable protective clothing, gloves and eye/face protection.

In case of fire use foam, dry powder, AFFF, CO2 – Never use water.

In case of a spillage, contain and collect spillage using sand or earth and do not empty into water courses, drains or the environment

Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations

Refer to Product Safety Data Sheet for further details

In case of emergency, refer to Emergency Incident Response Hotline 1800 80 6187.

A351-C6999 CONVERTER

HARMFUL

FLAMMABLE

Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by skin contact.

Avoid contact with skin/eyes.

Risk of serious damage to eyes.

If swallowed seek medical advice immediately and show this container or label.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

To remove splashes of paint from skin, use soap and water or a recognised cleanser.

Keep away from food, drinks, animal feed and out of the reach of children

Keep away from combustible material.

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