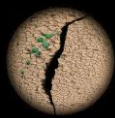




TDS



Technical Data Sheet



Category:
Earth

Technology:
Polyurea

Product: EleDeck Polyurea Fast Cure Membrane

Polyurea Based Membrane

A premium quality high-performance resin surfacing system used for indoor car park applications. Incorporating polyurea technology its unique formulation ensures the product will not degrade or become brittle over time.



Advantages

- ☐ Good impact and wear resistance
- ☐ Can be overcoated in 3hrs at 25degC
- ☐ Excellent bond strength
- ☐ High traffic resistance
- ☐ Solvent free
- ☐ Resistant to oils, brake fluid, detergents and pesticides.

Applications

- ☐ Indoor Car Parks
- ☐ Can also be used for resin bonded driveways, patios etc. with decorative aggregates.

SURFACE PREPARATION:

New concrete should be at least 4 weeks old. All traces of oils, fats, greases, paint residues, chemicals, and laitance should be removed by enclosed captive shot blasting or vacuum assisted diamond grinding.

For car park applications the **EleDeck Epoxy Top Coat** is typically applied on top of our **EleDeck Polyurea Fast Cure Membrane** or if odour is no issue **ElePRufe MMA Top Coat** can be used.

MIXING:

The product is delivered as a pre-measured, 20kg three component kit that should be mixed with a high speed, low torque drill and paddle. Component 'A' is supplied in a 20Ltr plastic bucket whilst the 'B' and 'C' components are supplied in 2.5Ltr plastic bottles (jerry cans). The mix ratio of the three components are: A=71% / B=14% / C=15%.

Pour the contents of the Part B and C components into the Part A container and mix the two components together until homogeneous using a suitable electric mixer (e.g., slow speed drill and paddle) and mix for 1-2 minutes. The product should be mixed carefully to avoid air entrainment.

COVERAGE:

Typical consumption on a smooth surface is 1kg/m² for parking bays and 2kg/m² for drive aisles and turning circles. Refer to the relevant EPM specification for details.





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APPLICATION:

The product is poured onto the substrate and applied to the desired thickness with a squeegee. As soon as the product has been spread out then immediately a fine sand aggregate is broadcast into the resin. Once the resin has cured excess aggregate should be swept or preferably vacuumed off. If tape was used to create edges, this should be removed within 30 minutes when the product has gelled and not after full cure.

CLEANING AND MAINTENANCE:

Clean the used tools with SOLVENT MEK or ethyl acetate before the curing of the product. Residues of cured products can only be removed mechanically.

IMPORTANT - STORAGE AND SHELF LIFE: Store the product in a dry, well-ventilated storage area between +5 and 35°C. This product is designed as a make to order product due to the 3 month shelf life and should be ordered on a project basis.

SAFETY PRECAUTIONS: Carefully read the safety data sheets before using the product. Avoid skin contact. Always wear personal safety equipment in accordance with the applicable local guidelines and legislation. Gloves and safety glasses are mandatory.

PACKAGING

Product

EleDeck Polyurea Fast Cure Membrane

Fill Volume/Weight

20kg Unit

TECHNICAL PROPERTIES

Basis:	Polyurea
Colour:	Buff
Curing Time (foot traffic/overcoat):	3-6 hours (23°C %50 R.H.)
Application Temperature:	+5degC to +30degC (min. 3degC above dew point)
Pot Life:	60 minutes approximately
Hardness:	Shore D 75

The results were obtained by providing optimum environmental conditions.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.



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