

CODE: 391614

REVISION : 01

DATE: 06 June 2016

GENERAL DESCRIPTION:

Modified epoxy/amine containing micro glass flakes.

USES AND PROPERTIES:

A surface tolerant epoxy coating, designed to protect concrete with a minimum amount of surface preparation.

Suitable for concrete and cement surfaces.

Excellent abrasion, adhesion and corrosion resistance.

Resistance to salt water, solvents and chemicals.

Suitable for immersion in water. (not potable water)

High solids coating.

TECHNICAL DATA:

Type	Modified epoxy/amine containing micro glass flakes.
Colours	Grey, Reddish Brown, White, Aluminium.
No. of components	Two (Activator Code : 391099)
Application Temp.	4°C to 40°C
Service Temp.	-40°C to 120°C
Solids (vol.)	85% +/- 2%
Specific Gravity	1,48
Mixing Ratio	6:1 (by volume)
Induction time	10 minutes
Pot life (23°C)	2 hours
Drying time at 23°C	Surface dry : 4 hours. Hard dry : 16 hours.
Over-coating time	10°C - 24 hours (min) 4 days (max) 20°C - 16 hours (min) 3 days (max) 30°C - 9 hours (min) 2 days (max)
Full cure	7 days at 23°C
Thinner	Dekro Epoxy Thinner
Cleaning solvent	Dekro Epoxy Thinner
Storage temperature	5°C to 25°C (recommended)
Shelf life	2 years if stored under recommended conditions.
Flash Point	Base 38°C, Hardener 90°C
Viscosity	100 – 105 ku. 3 – 6m ² /litre (@ 140 to 180 microns DFT) WFT : 165 – 330 microns. DFT : 140 – 280 microns.

Coverage/spreading rate of **Tuffcoat** depends largely on the condition, texture and porosity of the substrate being painted and manner in which the product is applied.

APPLICATION:

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from your Dekro Paints or can be downloaded from our website at www.dekro.co.za.

Do not apply when ambient temperatures are $<4^{\circ}\text{C}$ or $>40^{\circ}\text{C}$.

After correct surface preparation, stir thoroughly and prime a minimum of 1 coat of **Tuffcoat** by brush, roller or spray at the specified spread rate. Allow to dry before overcoating as per technical data.

PAINTING:

Airless spray is most recommendable. With regard to spray application, cross spraying (double spraying) is recommended to obtain a uniform and specified film thickness. If film thickness is found insufficient, an additional coat should be applied on these parts. Edges, corners, welding seams, scallops, underside of longitudinal areas should be touched up prior to spraying. In particular, underside of longitudinal areas must be painted carefully, for it is difficult to obtain sufficient film thickness. Painting interval should be kept as specified. If the painting interval is over that specified, the surface to be coated should be roughened by sand paper, disc sander or other adequate tools before application of any further paint coating.

CLEANING PRIOR TO PAINTING CONCRETE AND CEMENT:

In surface preparation allow all substrates to be dry, clean and abraded/etched suitably. Also note that substrate must be conducive to being painted with an epoxy coating and always contact a Dekro Paint representative for advice and recommendations prior to application.

SAFETY INSTRUCTIONS

Always keep out of reach of children and animals.

Wear a suitable dust mask and goggles when preparing surfaces.

Ensure good ventilation during application and drying.

If accidental contact with skin, wipe off excess with a rag and wipe with recognised cleaner. Then wash with soap and water.

If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.

Harmful if swallowed. Seek medical attention and do not induce vomiting.

GENERAL:

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.

It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

PREVENTING PROBLEMS AND GENERAL INFORMATION

IMPORTANT: Concrete Substrates must be dry before painting and should not exceed a moisture content of 8% as measured with a Maxidoser Moisture Meter or equal. The ambient temperature must be between 10°C and 35°C and humidity between 10% and 85%.

Avoid applying under adverse weather conditions as this could result in poor product performance.

Work from corner to corner, or from a natural cut off point to another.

Do not attempt touch ups, but redo complete panels.

Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture.

To ensure consistent appearance ensure that the batch numbers on all containers used are the same. Where batch numbers on containers differ, intermix before use.

CLEANING, STORAGE AND DISPOSAL:

Remove as much paint as possible from application equipment and wash immediately after use with suitable solvent.

Close containers tightly after use and store in a cool well-ventilated area.

Do not empty contents or wash solvents into drains or water courses.

When disposing please follow local authorities regulations and recycle the container after use.

The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.