



Cicol ET Slurry*

Heavy duty, light weight, anti-skid surface dressing

Uses

Cicol ET Slurry provides a lightweight, yet extremely hard wearing anti-skid surface to a variety of substrates including steel, concrete, asphalt and timber. Ideally suited for foot and road bridges, RO/RO link spans, helicopter decks, work platforms, ships decks, car parks, walkways, wet work industrial areas and cargo handling areas, etc.

Advantages

- Lightweight
- Hard wearing
- Flexible
- Excellent adhesion to steel and concrete substrates
- Non-slip, excellent grip even when wet
- Chemically resistant
- Waterproof
- Zero spread of flame

Standards compliance

Resistance to flame spread (BS 476, Pt 7 clause 2:1971). In independent tests Cicol ET Slurry was awarded a class 1 grading.

Description

Cicol ET Slurry is a three component system based upon solvent free, coal tar modified epoxy resins, amine curing agents and chemically inert, graded silica fillers which when mixed forms a fluid, homogeneous slurry. Specially selected Dynagrip aggregates are broadcast onto this slurry whilst it is still wet to provide a lightweight, flexible, durable, anti-skid dressing which can be used on a variety of substrates including steel, concrete, timber and aluminium.

Properties

Pot life @ 20°C	: 30 minutes
Specific gravity	: 1.74
Curing time @ 20°C	: Foot traffic after 24 hours, vehicular traffic after 48 hours
Fully cured Cicol ET Slurry has been shown to be resistant to the following chemicals after continuous immersion for 12 months @ 20°C:	
Chemical resistance	: Petrol ,Kerosene, Hydraulic fluids, Dilute mineral acids and alkalis, 10% Urea in water, De-icing salts, Diesel, Aircraft fuel

Design criteria

The thickness of the Cicol ET Slurry is varied to suit traffic conditions as shown in the table below:

Traffic density	Cicol ET Slurry thickness	Aggregate type	Nominal thickness
Medium	: 3.0 mm	20 mesh	3.5 mm
Heavy	: 3.0 mm	1 - 3 mm	5.5 mm

The final thickness of the finished surface dressing will be between 3.5 - 5.5 mm depending upon the exact system chosen to meet the expected end use. For "Specialized uses" other than aforesaid uses, a 4.5 mm thick coating of Cicol ET Slurry with 3 - 5 mm aggregate can be used to give a nominal thickness of 8 mm. Cicol ET Slurry HB* is recommended on ramps with a slope greater than 5°C.

Instructions for use

Preparation

Cicol ET Slurry can be applied to a variety of substrates. As with all flooring materials or protective coatings, correct surface preparation is essential.

Steel substrates

Cicol ET Slurry is specially formulated to exhibit excellent adhesion to un-primed steel. However, all steel substrates should be blast cleaned to a minimum Sa2½ standard of cleanliness. An angular profile amplitude of at least 75 microns is recommended. The slurry should be applied as quickly as possible to the blasted steel surface. If the standard of the surface falls below Sa2½ then the steel must be reblasted.

Concrete substrates

Cicol ET Slurry is applied to clean, sound, dry concrete substrates which are free of any laitance or loose particles. Mechanical scarifying or blasting methods are strongly recommended. Prepared concrete substrates should be primed with Nitoprime 25IR which is applied by lambswool roller to provide a thin even coverage. Avoid over application & puddles. Cicol ET Slurry is applied onto Nitoprime 25IR as soon as it is free from surface tack.

Asphalt substrates

Cicol ET Slurry can be applied onto asphalt substrates providing they are clean, sound & dry. It is also recommended that the asphalt should be at least 12 months old. Asphalt should be lightly grit blasted to remove any weakly bonded or contaminated material to provide desired surface. No primer is required on asphalt.

Wooden substrates

Cicol ET Slurry can be applied directly onto clean, dry timber substrates.

Cicol ET Slurry*

Aluminium substrates

Must be sweep blasted and degreased if necessary using Fosroc Solvent 102* to provide a sound mechanical key. Cicol ET Slurry can be applied directly to the prepared substrate.

Mixing

Mix the base and hardener thoroughly using a slow speed drill and Fosroc Mixing Paddle (MR3), or forced action mixers such as Creteangle or Zyklos. Add the mineral fillers and mix until a homogeneous slurry consistency is formed. The total mixing operation should take about 5 - 7 minutes. The Cicol ET Slurry is now ready for use. Do not add thinners or solvent.

Application & cleaning

Once mixed the Cicol ET Slurry must be used within the specified pot life. Pour the slurry onto the prepared surface. Work in lanes of 2 - 3 m wide masking off edges with tape. Spread the slurry using a steel trowel or squeegee taking particular care when joining up to the previous day's work. Use of a wet film gauge is recommended to ensure the correct thickness and material usage. The Dynagrip surface dressing aggregate must be applied immediately after laying the Cicol ET Slurry. The slurry coating is blinded to saturation by allowing the aggregate to fall vertically until no slurry is visible. Do not throw aggregate across the slurry as this may cause ridges. Masking tape must be removed before the coating has cured. The Cicol ET Slurry must be allowed to cure for 24 hours at 20°C before being subject to foot traffic. At lower temperatures this period will be increased. All tools can be cleaned immediately after use with Fosroc Solvent 102.

Limitations

- Cicol ET Slurry should not be applied when the relative humidity is greater than 80% or the ambient temperature is expected to fall below 5°C
- Cicol ET Slurry should not be applied on ramps with a slope greater than 5%

Estimating

Supply

Cicol ET Slurry	: 20 litre packs
Nitoprime 25IR	: 1 & 3 kg packs



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service.

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Coverage

Cicol ET Slurry	: 3.0 litre/m ² @ 3 mm thick	
Dynagrip		
Aggregate	Gross (kg/m²)	Net (kg/m²)
20 mesh	5.5	3.7
1.0 to 3.0	7.0	5.2
Nitoprime 25IR	: 3.5 - 4.3 m ² /kg	

Notes: Coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced - site trials are recommended. For "specialized uses", please contact the local Fosroc office for coverage figures.

Storage

All products have a shelf life of 12 months if kept in a dry store in the original, unopened packs. Store in dry conditions between 5°C and 30°C away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life will be reduced.

Precautions

Health & safety & fire

Cicol ET Slurry, Nitoprime 25IR and Solvent 102 should not come into contact with the skin or eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. Fosroc Solvent 102 is flammable. Ensure adequate ventilation. Do not use near naked flame. Do not smoke.

Flash points (Abel closed cup)

Fosroc Solvent 102	: 33°C
Nitoprime 25IR	: 39°C

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