



# MC-DUR 1700

## Solvent Containing, Two Component Coal Tar Epoxy Resin Combination

### Product Properties

- Solvent containing epoxy and coal tar combination
- Mechanical and highly weather resistant
- Largely resistant to chemical aggression and variety of solvents
- Is touch elastic

### Areas of Application

- Suitable for protection of steel, cement bound structures, cast stones and wood.
- Successful application in refineries, steel works, foundations and various kinds of chemical plants
- Can be used to obtain thicker asphalt like layers on bridges, ramps, footpath etc.

### Application Notes

#### General

**MC-DUR 1700** is a solvent-containing epoxy coal tar combination, reinforced with spherical and fibrous aggregates and slightly thixotropic to obtain greater coat thicknesses.

**MC-DUR 1700** coating is mechanically resistant, does not flow, is touch-elastic, highly weather-resistant as well as largely resistant to chemical aggression such as distilled water, solid and dissolved salts, dilute acids and caustic solutions as well as fuels, mineral oils and a variety of other solvents.

#### Application

**MC-DUR1700** is suited for the protection of steel as well as for the protection of cement-bound structures, cast stones and wood. It is successfully used in hydraulic engineering, in various kinds of chemical plants including refineries, steel works and printing offices, for containers, foundations and many other fields of application.

If fine, fire-dried sand and/or chippings are used as filler, it is possible to obtain thicker asphalt-like layers on bridges, ramps, footpaths and the like. Also the solvent-free product **MC-DUR 1500 TOF** could be used for this purpose.

When used on absorbent surfaces it is advisable to apply a slightly thinned primer to obtain a better adhesion. However, do not thin **MC-DUR 1700** for use on non-absorbent surfaces (especially metal). Even without a primer, **MC-DUR 1700** excellently adheres to steel, zinc-coats and aluminium unless there are rust, grease, moisture or other kinds of separating coats.

Steel should be sand-blasted at least according to specification 2.212 of ROST to remove the oxidized skin or according to Sa 2 ½ of Svensk Standard SIS 05 59 00 – 1967.

For the application of **MC-DUR 1700** the usual precautions concerning the handling of solvent-containing paints, should be followed. **MC-DUR 1700** is a solvent containing two-component epoxy, which contains resin and hardener. Resin (the base) and the Hardener should be mixed in exact proportion as stated in the technical data to achieve the desired properties of the product. Before application, the base and hardener components are carefully mixed together by means of a slowly rotating electric drill and paddles.

To complete the mixing the mixture is poured from one can to another and mixed again to ensure homogeneity. The product packs should be thoroughly emptied to ensure the correct mixing ratio and for ecological reasons.

The inherent formulation of **MC-DUR 1700** makes it unproblematic to overcoat surfaces with the same material even after a longer time. Care should be taken to remove all sediments that may prevent adhesion, using water or **MC-Cleaner EP**. Overcoating with other coloured opaque coats is only possible if they possess the same elasticity and if their solvents do not in any way have a dissolving effect on the coal-tar component or contain coal-absorbing plasticizers or binders. Please contact us for advice.

**MC-DUR 1700** may not be used where the coal-tar component is prohibited for reasons of paint, smell or for physiological reasons.

#### Handling

**MC-DUR 1700** may be applied by means of a brush, nylon or lambskin roller or similar tools. For spray application using an airless spray gun, it is imperative to use the type, "**MC-DUR 1700 Airless Quality**". In that case the pressure and viscosity have to be adjusted to each other as well as possible to obtain a uniform spraying.

**MC-DUR 1700** must not be applied at temperatures below +6°C and in case of humidity of more than 85% because that would disturb or prevent the setting process. The setting of the material applied is largely dependent on ambient temperature. Lower temperatures lengthen the drying time and higher temperatures will shorten it. If required a tropical grade of material is also available.

## Further Instructions / Precautions

Application Examples



Application Examples



## Technical Data For MC-DUR 1700

Characteristic	Unit	Value	Comments
Minimum application temperature	°C	+5°C	
Mixing ratio	Parts by weight	4:1	Resin : Hardener
Dry Film Thickness	Microns	75-150	
Consumption	G/m <sup>2</sup>	250-300	For two coats

## Product Characteristics for MC-DUR 1700

<b>Type of Product</b>	Coal-Tar Epoxy Combination Coating
<b>Form</b>	Resin and Hardener
<b>Colour</b>	Black
<b>Shelf Life</b>	6 months from date of Manufacture
<b>Delivery</b>	Resin: 30 kg pails & 5 kg can, Hardener: 5 kg can & 1 kg bottle
<b>Storage</b>	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
<b>Disposal</b>	Empty packs completely and dispose off carefully to protect our Environment

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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