MC 110 S

Surface tolerant epoxy mastic primer

Product Properties

- Two-component, solvent-free epoxy coating
- Excellent abrasion-resistance
- Weather-resistant
- Moisture and surface tolerant-can be applied to damp surface
- Anti-rust and anti-corrosive protection of iron and steel surface
- Can be used as a stand-alone system

Areas of Application

- Structural steel, sheet piling, ballast tanks, topsides and decks.
- Concrete structures and floor
- General patching or resurfacing compound where existing coating is still intact.

Application

Substrate Preparation

Surface to be coated must be free of dust, dirt, grease and other contaminants. If required, clean all surfaces with a water soluble, environmental friendly degreaser mixed with clean, fresh water. Allow surface to dry before start the main preparation.

Surface dust must be removed with an industrial vacuum cleaner prior to coating application.

Mixing

MC 110 S consists of a base and a hardener component supplied in pre-batched packs. Before application, the base component is mixed thoroughly by means of a medium speed rotating electrical drill with paddle. Then, hardener is pour into base component in the pre-weighed packing and continues to mix for 2 to 3 minutes until a uniform consistency.

Application

MC 110 S can be applied by brush and roller. When brushing, apply unthinned, lay on, do not over brush. When rollering, use a lambs wool roller and a maximum addition of 10% MC-Thinner 3 is allowed.

MC 110 S should be applied in uniform layer with overlapping at the edges of the spray pattern. All runs and sags should be brushed out immediately. Cracks, crevices, blind areas of rivets and bolts shall be coated by brush.

Apply in conditions of good ventilation which must be maintained throughout the drying and curing period. Do not apply when rain, mist, sleet or snow is imminent.

Allow MC 110 S to dry for a minimum of 16 hours prior to application of MC 210 S – high performance polyurethane coating.

General Information

Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition. For accurate coverage determination, a sample area should be laid and cover area determined. Higher temperature and lower humidity will speed up curing time whilst lower temperature and higher humidity will cause the opposite.

MC 110 S may chalk with exposure to UV but protective features remained.

Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.

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Technical Data for MC 110 S (all values relate to +30°C and 50% rel. humidity)			
Characteristic	**Unit**	**Value**	**Comments**
Mixing Ratio	p.b.v.	1 : 1	base : hardener
Density	g/cm^3	~1.50	mixed
Volume Solids	%	85 ± 2	
Film Thickness	microns	235 / 200	WFT / DFT
Theoretical Coverage	litre/m^2	0.24	~200 microns DFT
Pot Life	minute	60	at 30 ºC
Overcoating	hours	16 72	minimum maximum
Application Conditions	ºC % ºC	+25 to +40 < 85 +3	air, material and substrate temp. relative humidity above dew point

Product Characteristics for MC 110 S	
Cleaning Agent	MC-Thinner 3
Colour	Browish Grey
Delivery	5 & 20 litres set
Storage	Can be stored in cool (below 20 ºC) and dry conditions for ***12 months*** in original unopened packs.
Disposal	In the interest of the environment, please empty all packs completely & dispose of in accordance with local regulations.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter “Safety Measures for Handling Coating Materials and Reactive Resins“.

Note: Bespoke vendor supplies. 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 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 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.

Edition 05/16. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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