

GlobalDur GN109 Epoxy Mastic



TECHNICAL DATA SHEET



Epoxy Mastic Flexible Solvent Free

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> ◆ GlobalDur GN109EM was designed in order to be applied up to 10 mm thickness or higher thickness by adding the additive GNTIXO2; ◆ GlobalDur GN109EM can be applied on concrete, steel, stainless steel, aluminium, rubber and other materials. 	
PERFORMANCES	<ul style="list-style-type: none"> • No harmful solvents; • Solvent free; • Good chemical resistance; • High film build - up to 5 mm; • Can be applied on wet surfaces; • Good flexibility; • Non-flammable. 	
RECOMMENDED USE	<p>STEEL AND CONCRETE STRUCTURES CRACK/JOINTS REPAIRS</p> <ul style="list-style-type: none"> • Tanks cracks and pittings. • Pipelines joints and cracks. • Flooring joints and cracks. <p>GLUE/ CRACK REPAIRS</p> <ul style="list-style-type: none"> • For different kind of materials such as steel, stainless steel, aluminium alloy, ruber, etc.. 	
APPROVALS		
COMPONENT A	COMPONENT B	COLOURS
GN109EM	H109EM	GN109EMG0000 (Colourless)

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	100 % (theoretical).
VOC*	<30g/Lt.
FLASH POINT	>100°C (> 212°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,1 g/cm ³

Application

SURFACE PREPARATION	<p>All the surfaces have to be clean and without contamination. The surface should be evaluated and treated accordingly with ISO8504.</p> <p>Uncoated Surfaces get better adhesion with profile 20-50 microns, by sweep blasting or sand paper.</p> <p>Coated Surface: Clean, neverless its high compatibility with old coating with good adhesion, better results will be achieve by applying GN109EM directly to the substrate or over a proper</p>
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	new primer. Contact Globalnavy office for further information.
APPLICATION METHOD	Roller, spatula or syring gun dispenser.
APPLICATION CONDITIONS	The substrate temperature should be between 5°C (41°F) and 35°C (95°F). Assure a good ventilation with dry air in confined areas.
APPLICATION DATA	GlobalDur GN109 Epoxy Mastic is a two pack product, so the base and hardener must be mixed on the right ratio. First, mix well component A during 1 minute. After that, add all the hardener and stir very well until it get homogeneous. Mix completely both quantities of component A and B packs. Low temperature cause higher pot life, and higher temperatures decrease mixture pot life.
MIX RATIO	4 / 1 (by Weight) 4 / 1 (by Volume)
HARDENER	H109EM
POT LIFE	40 minutes (23°C/73°F).
THINNER	NA
SOLVENT / CLEANER	GN003TH
DRY TIME	Surface dry: 6 hours at 23°C (73°F) Dry to recoat: Min: 16 hours at 23°C (73°F). Max.: 7 days at 23°C.
THEORETICAL COVERAGE:	NA
TYPICAL PAINT SYSTEM	Concrete (Interior): • GlobalDur GN114EP 1 x 200µm (dft) • GlobalDur GN109EM • GlobalDur GN132EFSL. Steel(Interior): • GlobalDur GN101EP 1 x 150µm (dft) • GlobalDur GN109EM • GlobalDur GN101EP. Stainless Steel(Interior): • GlobalDur GN109EM 1 x XXXµm (dft) (depending on the crack dimension) This are typical systems. Please contact GlobalNavy for other applications.
STORAGE	4 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
PACKING	Two pack product, available in packs (A+B), 1 Kg, 5 Kg and 20 Kg.
FURTHER INFORMATION	For the applicator safety, ventilation should be provided to all portions of the enclosed area.
HEALTH SAFETY	Please take the necessary measures in order to accomplish the national laws and regulations regarding the environmental, health and safety at work. Please observe the safety information displayed on the container. Please refer to the Safety Data Sheet for detailed information on the health, safety hazards and precautions for the use of this product.

The information on this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. This is not a specification and all information is given in good faith. Every values presented as Theoretical were calculated from the product formula, so can have deviation from laboratory measurements using standard methods that may be not applicable. However, since the product can be used under conditions beyond our control, the manner of use is the sole responsibility of the user. The product is intended for professional use only. Manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. This Technical Data Sheet content can be changed without notice.

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