

GlobalDur GN109 Epoxy Mastic



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

Epoxy Mastic Flexible Solvent Free

PRODUCT DESCRIPTION	◆ GlobalDur GN109EM was designed in order to be applied up to 5 mm thickness or higher thickness by adding the additive GNTIXO2; ◆ GlobalDur GN109EM can be applied on concrete or steel.	
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	STEEL AND CONCRETE STRUCTURES CRACK/JOINTS REPAIRS <ul style="list-style-type: none">• Tanks cracks.• Pipelines joints and cracks.• Flooring joints and cracks.	
APPROVALS		
COMPONENT A	COMPONENT B	COLOURS
GN109EM	H109EM	GN109EMG0000 (Colourless)

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	100 % (theoretical).
VOC*	<50g/Lt.
FLASH POINT	>100°C (> 212°F) Setflash.
PERFORMANCE	

Application

SURFACE PREPARATION	All the surfaces have to be clean, dry and without contamination. The surface should be evaluated and treated accordingly with ISO8504. Coated Surface: Clean, undamaged and dry compatible primer. Contact Globalnavy office for further information.
APPLICATION METHOD	Roller or spatula.
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
ISSUED	Edition 03 / Mod.10 - 21/05/2018

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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	4,0 / 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 GN123EP 1 x 200µm (dft) • GlobalDur GN109EM • GlobalDur GN132EFSL. Steel(Interior): • GlobalDur GN101EP 1 x 150µm (dft) • GlobalDur GN109EM • GlobalDur GN101EP. This is a typical system. 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 - 40°C).
PACKING	Two pack product, available in packs (A+B), 1 Kg and 5 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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