

GlobalDur GN132 Epoxy F. Self-Levelling



TECHNICAL DATA SHEET



Epoxy Finish Self-Levelling Coating for Concrete with High Abrasion Resistance

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> ◆ GlobalDur GN132EFSL is a solvent free epoxy paint finish. It is also a self-levelling epoxy coating. ◆ GlobalDur GN132EFSL is designed for application over a recommended primer- GN120ER (dry conditions)/ GN114EP(wet conditions) /GN112EP (glass or hard concrete surfaces). 	
PERFORMANCES	<ul style="list-style-type: none"> • No harmful solvent vapours; • Excellent impact resistance; • Excellent levelling properties; • Excellent aesthetic effect; • Good flexibility; • Good chemical resistance. 	
RECOMMENDED USE	PRIMER/INTERMEDIATE/FINISH OVER CONCRETE PROTECTIVE: Flooring on industrial facilities, car parkings, power stations, warehouses, hospitals, etc..	
APPROVALS		
COMPONENT A	COMPONENT B	COLOURS
GN132EFSL	H132EFSL	GN132EFSLG9003 (White), GN132EFSLG7000 (grey), GN132EFSLG3009 (Red oxide). For other colours, like RAL colour catalogue, please contact GlobalNavy's office.

Physical Properties

GLOSS	Gloss.
SOLIDS BY VOLUME	100% (theoretical).
VOC*	<50g/Lt.
FLASH POINT	100°C (112°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,4 g/cm ³ Coating System Properties (GN120ER/GN132EFSL/GN205PF) Adhesion - Pull Off (ASTM D4541) Dry surface: >50 Kg/cm ² (MPa) (710 psi) (or >1,5 Kg/cm ² (MPa) cohesive on the concrete) Adhesion- Tape test (ASTM D3359) Rate - 5B (between finish coat GN2##PF and GN132EFSL) Abrasion Strength (ISO7784-2) 24 mg (1000 cycles / 1000 g / CS10) Barcol Resistance(ASTM D2583) 30 Maximum Elongation (ISO/R 527) 2% Elasticity Modulus (ISO/R 527) 100,000 KgF/cm ² Compressive Strength (ISO 844) 1.050 KgF/cm ² (15,000 psi)

GlobalDur GN132 Epoxy F. Self-Levelling



Flexural Strength (ISO 178) 650 KgF/cm² (9245 psi.)
 Impact Resistance (EN ISO 6272) IR4
 Deformation/Impact test (ASTM D2794) 1.22 Kgf.m (12,0 Joules)
 Exterior Exposure (ASTM D1014) 2 years- (Chalking) (ASTM D659): Rate 1
 QUV (Using A340 & B313 bulbs) 2000 hours – (Chalking) (ASTM D659): Rate 1
 Absorption (ASTM D570) 0,1%
 Fire Reaction (EN 13501-1) Bfl-s1

Application

SURFACE PREPARATION	All the surfaces has to be clean, dry and without contamination. The surface should be evaluated and treated accordingly with ISO 8504. Coated Surface: Clean, undamaged and dry compatible primer. Contact GlobalNavy office for more information. Other Surfaces: Check the suitability of GN132EFSL, apply a suitable primer following its Technical Data Sheet and then apply GN132EFSL. Contact GlobalNavy office for further information.
APPLICATION METHOD	GlobalDur GN132EFSL can be applied by squeege, roller, brush.
APPLICATION CONDITIONS	The substrate temperature shall be between 10°-+50°C. The ambient temperature shall be >10°C. GlobalDur GN132EFSL must be applied over dry and clean surfaces.
APPLICATION DATA	GlobalDur GN132 Epoxy Finish Self-leveling is a two pack product, so both components must be mixed on the right ratio. First, component A should be well mixed during 2 minutes. After that, add component B and stir very well until it get homogeneous. If over agitated, pot life will be reduced. High temperatures will reduce pot life and Low temperatures will increase pot life.
MIX RATIO	4 / 1 (by weight) and 2.5 / 1 (by volume)
HARDENER	H132EFSL
POT LIFE	40 minutes at 23°C (73°F).
THINNER	GN001TH / GN008TH
SOLVENT / CLEANER	GlobalThin GN001TH/GN003TH.
DRY TIME	Surface dry: Approx. 7 hours at 23°C (73°F) and 50% Rh; Recoat: Min: 24 hours at 23°C (73°F)); Max: 7 days at 23°C (73°F). After that surface must e reactivated with solvents or clean with HP water.
THEORETICAL COVERAGE	2,5 Sq.m/Kg. (11,7 Sq.ft/ Lb.) Dry/Wet: 400 grams (14,1 oz).
TYPICAL PAINT SYSTEM	• Primer (dry concrete) GlobalDur GN 120ER 1 x 200g; • Primer (wet concrete) GlobalDur GN 114EP 1 x 200g; • Primer steel GlobalDur GN 101EP 1 x 200µm, • Intermediate coat GN132EF 1 x 200g; • Top coat GN202PF 1 x 100µm.
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) of 5 Kg and 20 Kg.
FURTHER INFORMATION	For the safety of the applicator and the good performance, ventilation should be provided to all portions of the enclosed area. If exact colour matching is required, ensure that GN132EFSL in each area is applied from the

GlobalDur GN132 Epoxy F. Self-Levelling



same control batch numbers.

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.

Parque Industrial de Carrascas, Estrada Nacional 252, 2950-402 Palmela PORTUGAL
◆ Tel.:+351 265107979 ◆ www.globalnavy.net ◆ email: sales@globalnavy.net