

# GlobalDur GN151Epoxy Waterbased Primer



## TECHNICAL DATA SHEET



### Epoxy Primer Waterbased Coating

<b>PRODUCT DESCRIPTION</b>	<ul style="list-style-type: none"> <li>◆ GlobalDur GN151EW is a epoxy water based primer/resin Multilayer for concrete.</li> <li>◆ GlobalDur GN151EW is suitable for contaminated areas that need to be high pressure wash or has high water vapour levels.</li> <li>◆ GlobalDur GN151EW is a coating with chemical resistance and superior washability.</li> <li>◆ GlobalDur GN151EW is a economic epoxy system glossy designed for application on flooring and walls as varnish/sealer.</li> <li>◆ GlobalDur GN151EW is suitable also recoat architectural water based paints.</li> </ul>	
<b>PERFORMANCES</b>	<ul style="list-style-type: none"> <li>• High Solids;</li> <li>• Excellent impact resistance;</li> <li>• Excellent levelling properties;</li> <li>• Low organic solvent odor and no flammable risk during application and dry;</li> <li>• Excellent as humidity barrier;</li> <li>• Excellent washability;</li> <li>• Good Abrasion resistance and flexibility;</li> <li>• Good chemical resistance to alkali, acid and petroleum products;</li> <li>• Good adhesion over wet and dry concrete, over primer and between coats.</li> </ul>	
<b>RECOMMENDED USE</b>	<p>PRIMER/INTERMEDIATE/FINISH OVER CONCRETE</p> <p>PROTECTIVE: Internal Flooring and walls on industrial facilities, kitchens, laboratories, car parkings, power stations, warehouses, hospitals, etc., where washability and solvent resistance to degreasers are important and on areas that need to be high pressure wash to degrease or discontaminated. Multilayer epoxy systems with silica or coloured quartz, specially for floorings with humidity.</p>	
<b>APPROVALS</b>	Complies with EU Directive 2010/42/EC: subcategory j (VOC< 140 g/l).	
<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>
GN151EW	H150EW	GN151EWG0000 (Colourless).

### Physical Properties

<b>GLOSS</b>	Gloss.
<b>SOLIDS BY VOLUME</b>	90 ±2% (Volume). 92 ±2% (weight).
<b>VOC*</b>	<100g/L.
<b>FLASH POINT</b>	101°C (214°F) Setflash.
<b>PHYSICAL PROPERTIES</b>	Density: 1,1 g/cm <sup>3</sup>

### Application

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<b>SURFACE PREPARATION</b>	<p>Painting Direct to Substrate: GlobalDur GN151EW is suitable for concrete surfaces prepared accordingly with NACE N°6/SSPC-SP13 using:          Mechanical Surface Preparation Methods.          Chemical Surface Preparation          Flame Cleaning and Blasting</p> <p>Over coated surfaces be sure of the old coating conditions (no coating defects and corrosion- in "sound conditions") and the compatibility with the GlobalDur GN151EW. Please contact GlobalNavy office in case of any doubt or for further information.</p>
<b>APPLICATION METHOD</b>	<p>GlobalDur GN151EW can be applied by squeege, roller, brush.          Air-less spray: Use an equipment with a compressing 45:1 ratio, an inlet 3 bar pressure, allowing a 210-260 bar outlet pressure. A 0,019" or 0,0 21" tip is recommended. Conventional spray equipment only on special application conditions- contact GlobalNavy for more information.</p>
<b>APPLICATION CONDITIONS</b>	<p>The substrate temperature shall be 10°-+50°C. The ambient temperature shall be &gt;10°C. Do not apply GN151EW with air Humidity higher than 80%. In case of applying GN151EW as primer can be thin with 5% of water or GN008TH. Do not apply higher thickness than 2 kg/sqm, even for multilayer systems.</p>
<b>APPLICATION DATA</b>	<p>GlobalDur GN151EW is a two pack product, so both components must be mixed on the right ratio. Mix only using electrical mixer. First, component A should be well mixed during 2 minutes. After that, add component B and stir very well until it get homogeneous. Only after that the water/thinner should be add and continuously mixed. If over agitated, Pot Life will be reduced. High temperatures will reduce Pot Life and Low temperatures will increase Pot Life.</p>
<b>MIX RATIO</b>	1,4 / 1 (by weight) and 1.3 / 1 (by volume)
<b>HARDENER</b>	H150EW
<b>POT LIFE</b>	1 hour at 23°C (73°F).
<b>THINNER</b>	Water / GN008TH
<b>SOLVENT / CLEANER</b>	GlobalThin GN003TH / GN008TH.
<b>DRY TIME</b>	<p>Surface dry: Approx. 6 hours at 23°C (73°F) and 50% Rh;          Recoat: Min: 16 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.          For foot traffic/Loading: 16h / 2 days.          For Chemical Resistance : 7 days.</p>
<b>THEORETICAL COVERAGE</b>	0.24 Kg/sqm Wet for 0,22 Kg/sqm DFT (333 grams wet by sqm -19,4 Sq.ft/ Lb.). System Multilayer
<b>TYPICAL PAINT SYSTEM</b>	<ul style="list-style-type: none"> <li>• Primer (dry/wet concrete) GlobalDur GN 151EW 1 x 240g (WFT);</li> <li>• Finish GlobalDur GN 150EW 2 x 333 g (WFT).</li> </ul>
<b>STORAGE</b>	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
<b>PACKING</b>	Two pack product, available in packs (A+B) of 4,75 Kg and 18 Kg.
<b>FURTHER INFORMATION</b>	<p>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 GN150EW in each area is applied from the same control batch numbers.</p>

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## **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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