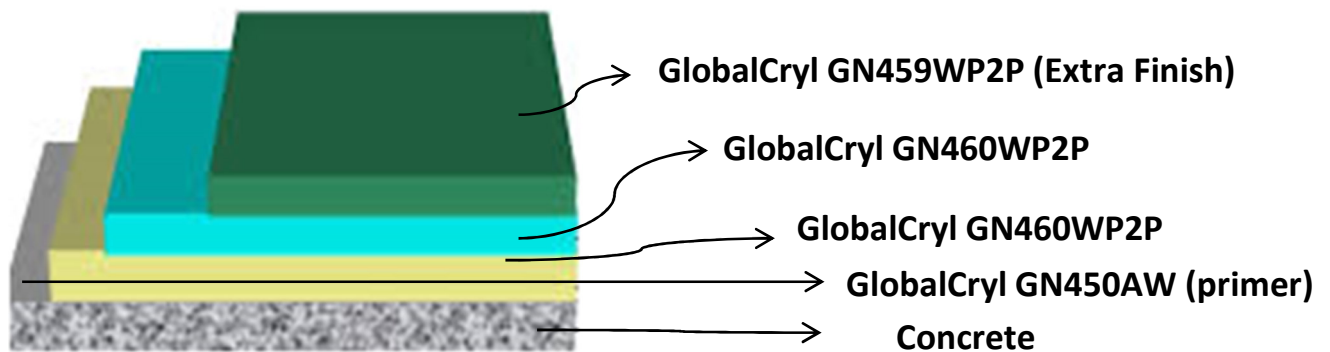
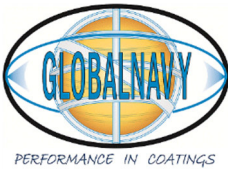


## Application Bulletin

### GlobalCryl GN460WP2P





# GlobalCryl GN460WP2P

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# GlobalCryl GN460WP2P

## General Information

GlobalCryl GN460WaterProofing coating system is based on a unique styrene acrylic and micro fibrous cementitious composite membrane. The necessary flexibility and elasticity is supplied by the styrene acrylic emulsion plus the micro fibrous, and the water proofing is a property join of all the main three components- styrene acrylic emulsion plus cement plus micro fibrous.

## 1. Composition & Packing

- One unit of **GlobalCryl GN450AW** consists of: **5 / 20 L**
- One unit of **GlobalCryl GN460WP2P** consists of: **17,5 / 35 Kg pack**
- Component A (Resin): 5,0 / 10,0 Kg can
  - Component B (Pigmented hardner): 12,5 / 25 Kg can

## 2. Products for a Waterproofing Water Based System

- **2.1.1 Adhesion Layer (dry concrete conditions):**  
GlobalCryl GN450AW nano acrylic water based primer (dry concrete), with a consumption of + - 0,1 L/m<sup>2</sup>.
- **2.2 Waterproofing Layer:**  
GlobalCryl GN460WP2P (2X), with a consumption of + 0,5 kg/m<sup>2</sup> each coat.
- **2.3 Top Coat (if extra weather sun reflexion and protection and aesthetic is required):**  
GlobalCryl GN459AW membrane coat finish with a consumption of + - 0,2 L/m<sup>2</sup>.



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## 3. Equipments & Application Conditions

### •3.1 Equipment & Tools

- High pressure water pump/grinding machine/shot blast/ diamond polishing plates/ milling machine/ abrasive disc plates; grinding machine, industrial vacuum cleaner, industrial mixer, electrical cables and connecting devices, spreader, spike shoes, brushes, paint rollers, gloves, knee protectors, etc.

### •3.2 Application Conditions

- The substrate MUST BE as flat as possible
- Air Temperature :  $\geq 10^{\circ}\text{C}$  and  $\leq 30^{\circ}\text{C}$
- Surface Temperature :  $\geq 10^{\circ}\text{C}$  and  $\leq 30^{\circ}\text{C}$
- Surface Humidity :  $< 6\%$
- Relative Humidity Air :  $< 80\%$
- Surface Conditions : Mechanically prepared and free of contaminants
- Concrete : Compressive strength  $\geq 25$  N/mm
- Screed : Compressive strength  $\geq 30$  N/mm

## • 4. Inspection & Surface Preparation

- **THE SUBSTRATE MUST BE DRY AND MUST HAVE A MINIMUM AGE OF 28 DAYS**

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### • 4.1 Inspection

- A good quality inspection and conditions of the preparation is primordial for the successful application of the *GlobalCryl GN460WP2P* water proofing coating system. The cleaning/vacuum cleaner should be delayed until shortly before the application of the product, to avoid the risk of fresh contamination or dirt. Be aware of the weather conditions in the last two weeks, in order not to apply the system over a slab with high humidity inside, because this will probably cause the failure of the water proofing system.

### • 4.2 Crack inspection and treatment

- A good evaluation of the crack size and density should be made. In this way, two kind of procedures should be done:



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- i) a few cracks on the floor: scrap and if necessary grind it in order to have a better hydro/vacuum cleaner and a better penetration of the primer.
- ii) many random cracks: consider on applying a net woven on all surface on the first coat of GN460AW2P, after the primer application. This case should be specially consider on corners where the probability of concrete fracture is high. If the concrete shows an high fracture density it is better to consider to apply an higher performance water proofing coating system like GlobalThane GN221UC.
- **4.3 Surface Preparation-**
  - **High water pressure** – the most common method for terraces with pump pressure of 120 bar minimum, although very high pressure pump (400-500 bar) may be required to remove old coating, etc.. After surface treatment let the surface dry for at least 1 day (in case of dry hot weather conditions).
  - **Diamond polishing plates/Grinding machine** - Suitable to eliminate damaged coatings or increase the porosity of media polished concrete, leaving the surface prepared for coating application of low film thickness.
  - **Shot blast** - Suitable for removing scum layer surface by projection of small steel balls (shot) which impinge on the concrete surface, increasing its porosity, leaving the area prepared for coatings application.
- **4.4 Prior to application**
  - **Vacuum cleaner before primer application or in case of high surface temperature wet (without damping) the concrete surface, in order to decrease the surface temperature and get an higher surrounding humidity, in order to avoid a fast surface drying of the GN460WP2P, that might originate in small cracks on the coating applied. In this case and depending on the H460WP ageing and environmental conditions, it might be advisable to add until 5% of water on the GN460WP mix.**



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## 5. Application - Adhesion Layer

### •5.1 Mixing

•One pack product , should be well mixed during 2-3 min..

- Pot life ( $\geq 10^{\circ}\text{C}$  and  $\leq 20^{\circ}\text{C}$ ) : -
- 
- Pot life ( $\geq 21^{\circ}\text{C}$  and  $\leq 30^{\circ}\text{C}$ ) : -
- 

### •5.2 Application of GlobalCryl GN450AW

Apply the primer on the substrate with a roller with a consumption of 0,1 L/m<sup>2</sup> . The adhesion layer must cover the complete surface. After application, clean tools with water and soap.

## 6. Water proofing - Application of GN460WP2P

### • 6.1 Mixing of GlobalCryl GN460WP2P

Is a two pack product , so components must be mixed on the right ratio by a mechanical mixer. Component "B" should be well mixed during 1 min.. After add component "B" to component "A" keeping always stiring very well until it get a honmogeneous.

### •6.2 Application of GlobalCryl GN460WP2P

The *GlobalCryl GN460WP2P* is pourable and should be spread out with an appropriate tools, such us large trowel, over the dried primer *GlobalCryl GN450AW*, ***followed immediately by a passage with a roller*** to remove all the entrapped air. ***Another way to apply is using only the roller.***

•Consumption for a 500 gr/m<sup>2</sup>.

### •6.3 Pot life

- Pot life ( $\geq 10^{\circ}\text{C}$  and  $\leq 20^{\circ}\text{C}$ ) : + 2 hours
- Pot life ( $\geq 21^{\circ}\text{C}$  and  $\leq 30^{\circ}\text{C}$ ) : +/- 1 hour.

### •Remarks:

- Do not apply higher thickness than 2,0 Kg/m<sup>2</sup> on each coat, in order than bubles may stay trapped on the coating film and/or surface cracks might appear due to unpropriate drying .
- Do not apply on concrete with temperatures less than 10° and over 30°C (if it is higher, reduce it by spraying with tap water (without damping it) .
- It is **strongly advisable** to apply a top coat of GN459AW (specially in white color for a better light reflexion and life extension of the water proof coating system, apply one layer of *GlobalCryl GN459AWG9003* with a consumption of + - 0,2 L/m<sup>2</sup>.



# GlobalCryl GN460WP2P

## 7. Disposal of Waste Materials

- Accordingly to the local regulations

## 8. Technical Services

- **Globalnavy Tintas e Revestimentos, Lda.**

Parque Industrial de Carrascas  
Estrada Nacional 252  
2950-402 Palmela - Portugal  
Telephone: + 351 265 107 979  
email: [sales@globalnavy.net](mailto:sales@globalnavy.net)

## 9. Health & Safety Precautions

- See our MSDS-sheets

## 10. Important Informations

- **10.1 Cleaning**

Alkaline detergents and water can be used to clean and remove fresh product. If doubt, contact Globalnavy, Lda.

- **10.2 Control**

Control of density, viscosity, curing properties.

- **10.3 Storage Conditions**

Product should be stored in dry places away of humidity and frost at minimum temperature of 5°C and 30°C maximum. Shelf life of the product is 24 months.

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- **10.4 Remarks**

- Respect the temperature application range.
- Bear in mind that the the net woven increase greatlly the breaking strain, usually very important on corners.
- Select a good quality net woven (high mechanical properties and chemical resistance.
-

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**Warning:** For this kind of products there are a general pressure to execute the projects on the wrong time, due to find out when it starts raining that they have an old problem of waterproofing. It is important not to give in to the demands of the client and have a coating failure and a problem after. Because at that time it means that the slab is with high humidity and even so might appear on





# GlobalCryl GN460WP2P

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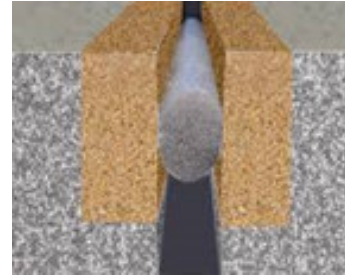
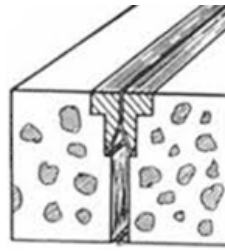
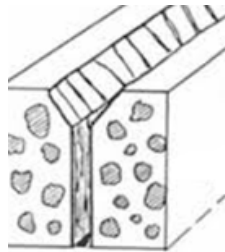
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The information and recommendations herein are believed by the company to be accurate and reliable. It is the buyer's responsibility to determine whether the company's products are appropriate for the buyer's intended use. As the substrate and working conditions differ from project to project, it is buyer's responsibility to decide if the consumption of the products and the working conditions are appropriate for the selected system.

## 11.

## Other Details

### Treatment Seals GN220US

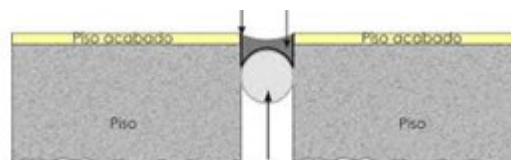


Epoxy mortar  
Argamassa epoxi  
Mortier époxy



Adhesion promoter  
Promotor de adesão  
Promoteur d'adhérence

Polyurethane mastic  
Mastique de poliuretano  
Polyuréthane de mastic



Cord polietileno  
Cordão de polietileno  
Cordon polietileno

