

GlobalCryl GN450 Acrylic Water Based Primer



TECHNICAL DATA SHEET

Acrylic Waterbased Efflorescence Resistance Primer

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> ◆ GlobalCryl GN450AW is a waterbased with efflorescence resistance and anti-stain primer. ◆ GlobalCryl GN450AW is design to be applied on concrete. 	
PERFORMANCES	<ul style="list-style-type: none"> • High adhesion to concrete; • Good gloss retention; • Excellent application properties; • Excellent alkali resistance; • Excellent water resistance. • APEO, formaldehyde and heavy metals free. 	
RECOMMENDED USE	<ul style="list-style-type: none"> • Interior and exterior concrete applications, assuring a good adhesion between the substate (new/old concrete or old paint) and the paint system. • Primer for efflorescence and alkali resistance on concrete. • Primer for waterproofing sealers. 	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory A/g (VOC < 30 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN450AW	-	GN450AWG9003 (white). For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Matte.
SOLIDS BY VOLUME	35 ± 2 %.
VOC*	< 30g/L.
FLASH POINT	> 200°C (> 392 °F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,18 g/cm ³ Scrub resistance: 10000 scrub cycles (DIN53778)

Application

SURFACE PREPARATION	All the surfaces have to be clean, dry and without contamination. The surface should be evaluated and treated accordingly with NACE N°7. Contact GlobalNavy office for further information.
APPLICATION METHOD	SPRAY: Use equipment with a 100-140 bar outlet pressure. A 0,012" - 0,017" tip is recommended. CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat", floorings, ceils, walls and small areas; care should be taken in order to achieve the WFT specified. When applying on enclosed areas ensure a good ventilation with dehumidified air.
APPLICATION CONDITIONS	The substrate temperature should be minimum 5°C (32°F) and at least 4°C (7°F) above the dew

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	point of the air, measured in the vicinity of the surface. The moisture should be < 85%. Assure a good ventilation with dry air in confined areas.
APPLICATION DATA	GlobalGlobalCryl GN450AW Acrylic Waterbased should be mixed during 3 minutes. If necessary, for na application optimization adjustment, the product can be diluted until 10 % (v/v) with water.
MIX RATIO	NA
HARDENER	-
POT LIFE	NA
THINNER	Water (Máx. 10%).
SOLVENT / CLEANER	Water
DRY TIME	Surface dry: approx. 2 hours (at 23°C (73°F) and 50% relative humidity). Overcoating: 4 hours at 23°C (73°F).
THEORETICAL COVERAGE:	10,0 m2/Lt (407 Sq.ft/US gal) Dry: 35 µm (2 mils) • Wet: 100 µm (4mils).
TYPICAL PAINT SYSTEM	<ul style="list-style-type: none"> • GlobalCryl GN450AW 1 x 100µm (WFT) • GlobalCryl GN460AW 1 x 0,8 Kg (WFT) (plus meshnet on cracks and edges) • GlobalCryl GN460AW 1 x 0,8 Kg (WFT) • GlobalCryl GN459AW 1 x 0,2 Kg (WFT). This is a typical system for waterproofing. Please contact GlobalNavy for other applications.
STORAGE	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
PACKING	One pack product, available in packs 5L and 15 L.
FURTHER INFORMATION	For the safety of the applicator and the good performance, 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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