

GlobalCryl GN451 Acrylic Water Based



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

Acrylic Water Based Efflorescence Resistance Paint

PRODUCT DESCRIPTION	◆ GlobalCryl GN451AW is a water based with efflorescence resistance and anti-stain paint. ◆ GlobalCryl GN451AW is design to be applied on masonry and concrete.	
PERFORMANCES	<ul style="list-style-type: none">• High adhesion to concrete and stones;• Good gloss retention;• Excellent application properties;• Excellent alkali resistance;• Excellent water resistance.	
RECOMMENDED USE	Interior and exterior concrete applications, where a good durable aesthetic effect is needed: <ul style="list-style-type: none">• Paint for efflorescence and alkali resistance on concrete.• Paint for concrete lakes and tanks.• Paint for roof tiles.• Paint for warehouses and parking with low traffic.• GN451AWG0000 Varnish is suitable for concrete, stone and wood varnish.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory A/g (VOC < 30 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN451AW	-	GN451AWG9003 (White), GN451AWG9005 (Black). For other colours standards, like NCS, please contact GlobalNavy's office.

Physical Properties

GLOSS	GN451AWG0000: Glossy. GN451AWPaint: Matte.
SOLIDS BY VOLUME	40 ± 2 %.
VOC*	< 95 g/L.
FLASH POINT	> 200°C (> 392 °F) Setaflash.
PERFORMANCE	

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 an equipment with a 100-140 bar outlet pressure. A 0,012" - 0,017" tip is recommended. CONVENTIONAL METHODS: Brush and roller are suitable for ceils and walls, care should be taken in order to achieve the DFT specified.

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APPLICATION CONDITIONS	The substrate temperature should be minimum 5°C (40°F) and at least 4°C (7°F) above the dew 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 GN451AW Acrylic Water based should be mixed during 1 minute. If necessary, for na application optimization adjustment, the product can be diluted until 5 % (v/v) with water.
MIX RATIO	NA
HARDENER	-
POT LIFE	NA
THINNER	Water (Máx. 5%).
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: 50 µm (2 mils) • Wet: 100 µm (4mils).
TYPICAL PAINT SYSTEM	<ul style="list-style-type: none"> • GlobalCryl GN450AW 1 x 100µm (WFT) • GlobalCryl GN451AW 2 x 100µm (WFT) . <p>This is a typical coating system for a garage or outdoor flooring. Please contact GlobalNavy for other applications.</p>
STORAGE	2 year (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 40°C).
PACKING	One pack product, available in packs (A+B) 5 L 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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