

# OMNIGUARD 110np



**Sprayed removable protective film for use on windows and concrete.  
Remove at the end of construction works as a plastic foil.**

## PRODUCTDESCRIPTION

OMNIGUARD 110NP is a waterborn, ready-to-use liquid based on state of the art polymer technology. This liquid is spray applied and dries to a peelable, light-transparent colourless film. This film protects windows and concrete surfaces against damages and pollutions that occur during construction works. OMNIGUARD 110NP protection film can stay on the protected surface for up to 18 months (windows) and 12 months (concrete). When construction works are finished, the protective film is easily removed and does not leave any residue. Suitable for inside and outside use.

## ADVANTAGES

- » Complete and effective protection against damages and pollutions caused by plastering works, sparks of grinding discs, concrete casting, etc.
- » Fast application with airless spray device.
- » Solvent free.
- » Both for inside and outside protection; short and long term.
- » OMNIGUARD NP110 protective film does not detach due to wind.
- » Also for use on surfaces on which tapes hardly adhere.
- » About windowapplication: by letting OMNIGUARD 110NP dry with doors/windows slightly open, these windows and doors can be opened and closed during construction works without detaching the OMNIGUARD 110NP protection film from the window/door.

## APPLICATION

### Prior to starting the application:

- » Perform a trial with a paintbrush; remove and evaluate the surface for suitability and for possible colour (f.e. concrete) or gloss differences (f.e. glossy aluminium window profiles).
- » Apply vaseline or wax with a cloth on the rubber/silicone gaskets.
- » When applying OMNIGUARD 110NP on concrete surfaces: allow at least 24 hours after formwork is removed; then apply hydrophobic pretreatment on the concrete surface with the Hevadex product BETOSHIELD WB, unless the concrete surface is already hydrophic: BETOSHIELD WB is vaporized at 0,1 to 0,15 litre/m<sup>2</sup> on the (dry)concrete surface. OMNIGUARD 110NP is then applied at least 2 hours later. Only for use on polished/smooth concrete surfaces.

### Application:

- » Stirr OMNIGUARD 110NP for homogenisation (do not add solvents or water).
- » Requirements during application and drying: temperature: 5 - 40°C; apply on a dry surface; do not apply during rain, or when rain or frost is expected the next 24 hours.

- » OMNIGUARD 110NP is sprayed with an airless spray device at 100 to 150 bar pressure, and with a spraytip opening of between 0,015 and 0,023 inch.
- » Total minimum consumption of OMNIGUARD 110NP as to guarantee easy peelability and protection:
  - Windows: 0,6kg/m<sup>2</sup> or ~600 micron or 0,5kg/m<sup>2</sup> on large glass surfaces
  - (Smooth/polished) concrete surfaces: 0,9kg/m<sup>2</sup> or ~900 micron (~0,9kg/m<sup>2</sup>)
 Verify layer thickness with a wet film gauge. Do not apply more than 1,5kg/m<sup>2</sup>.
- » To speed the drying time and to avoid pinholes on concrete surfaces, apply in two passes, the second pass shortly after and crosswise over the first pass.
- » Avoid overspray on adjacent surfaces by protecting these during application.
- » Depending on conditions such as temperature, the film is tack free within 4 to 8 hours after application, and the total drying time is between 12 and 48 hours during which the film may not come in contact with rain or any other form of water, nor with temperatures < 5°C.
- » During application, keep the pail under the airless closed to avoid skin formation.
- » In case of inside application, allow ventilation.
- » Cleaning material: after use with water.

Remove OMNIGUARD protection film:

- Windows with OMNIGUARD 110NP @ 0,6kg/m<sup>2</sup>: within 12 months
- Windows with OMNIGUARD 110NP @ 0,8kg/m<sup>2</sup>: within 18 months
- Concrete surfaces with OMNIGUARD 110NP @ 0,9 kg/m<sup>2</sup>: within 12 months




#### LIMITATIONS

- » Do not use OMNIGUARD 110NP on polycarbonate glass, nor on wooden surfaces.
- » Do not apply during rain or frost, or when rain is expected within 24 hours after application.
- » Do not apply OMNIGUARD 110NP on surfaces with a temperature > 40°C.

#### TECHNICAL DATA

- » View: white liquid; light transparent colourless film after drying;
- » Consumption: minimum total consumption: 0,5kg/m<sup>2</sup> (0,9kg/m<sup>2</sup> for concrete surfaces)
- » Density : +/- 0,95 kg / L;
- » Properties of the protection film: semi-transparent, flexible, peelable;
- » Weather resistant after 4 to 48 hours, depending conditions;
- » Storage: 5 – 20 °C; store out of direct sunlight;
- » Conservation: 12 months from date of production in unopened and original packaging.

#### PRODUCT CERTIFICATIONS

INSTITUT	TEST	NORME	VALEUR	RAPPORT
<b>SHR</b>	UV resistance and natural ageing	EN ISO 16474-3:2013 – 400H.	Pass	17.0432-1 17/10/2017
	System evaluation	VERITAS	Pass	BV.AVS.4.12.14127A T-01 – 30/11/2021
	Absence of micropores	Aanalysis x4, x7, x10	Pass	BV.AVS.4.21.14012 AT-2 – 27/01/2021
	Resistance to sparks of grinding and welding	SGS TEST PROGRAMM	Pass	204624B – 04/02/2021
	Traction	NBN EN ISO 527-3 (2019)	6,4 N/mm <sup>2</sup>	LMC/21/008 – 20/01/2021
	Elongation		122 %	
	Hardness Shore A	ISO 7619-1 ( 2010)	87	AU-20-10 – 06/10/2020
	Hardness Shore D	ISO 7619-1 ( 2010)	49	
CAI ULIÈGE	VOC content	ISO 11890-2	Pass	

**PACKAGING**

10kg pail - Pallet: 44 x 10 kg  
120kg drum – Pallet: 3 x 120kg

**SAFETY**

Consult the safety data sheet prior to application. Requested to wear eye protection, mouth mask, gloves and safety wear.

**EXTRA**

HEVADEX cannot be held liable for damages on surfaces protected with OMNIGUARD 110NP.

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