

工程指示 / 要求簡箋 ENGINEER INSTRUCTIONS(E.I.)

工程指示編號:	EI- 5336	修改版本:	-
	HK- 2004		
工程編號:	J 856	工程名稱:	天榮站
收件人:	生統	發件人:	Lai Sik Hung
工程項目:	Omniguard 110 np(豬皮) 統計數量及BM表	日期:	14/11/2022

<input type="checkbox"/> 原合約工程包	<input type="checkbox"/> 原合約工程加 / 減脹 QT-	<input type="checkbox"/> 新工程報價 QT-
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信件批核號碼/圖紙參考編號:	批核模具圖紙編號:
客戶指示附件:	管理內部批簽署:

<input type="checkbox"/> 初步鋁料 B.M.	<input type="checkbox"/> 加工拆圖, 然後生產	<input type="checkbox"/> 尺寸表
<input type="checkbox"/> 正式鋁料 B.M.	<input type="checkbox"/> 技術上資料/指示	<input type="checkbox"/> 報價
<input type="checkbox"/> 配件 B.M.	<input type="checkbox"/> 樣辦或貨品說明書	<input type="checkbox"/> 分判合約
<input type="checkbox"/> 其他:		

內容: Omniguard 110 np(豬皮) 統計數量及BM表  
請幫忙統計所需數量並給我BM表安排訂貨作單元件玻璃保護用

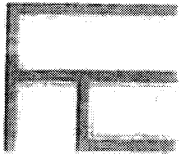
完成上列要求日期: 17/11/2022

國內

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<input type="checkbox"/> 採購部	<input type="checkbox"/> 連附件	<input checked="" type="checkbox"/> 生產統籌部	<input checked="" type="checkbox"/> 連附件	<input type="checkbox"/> 報關組	<input type="checkbox"/> 連附件
<input type="checkbox"/> 質檢部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 會計部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 機械設計部	<input type="checkbox"/> 連附件
<input checked="" type="checkbox"/> 香港辦	<input checked="" type="checkbox"/> 連附件	<input type="checkbox"/> 其他:			

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*發件人簽署:		*組別成員批核簽署:		14/11/2022
傳遞編號:		項目經理簽署:		

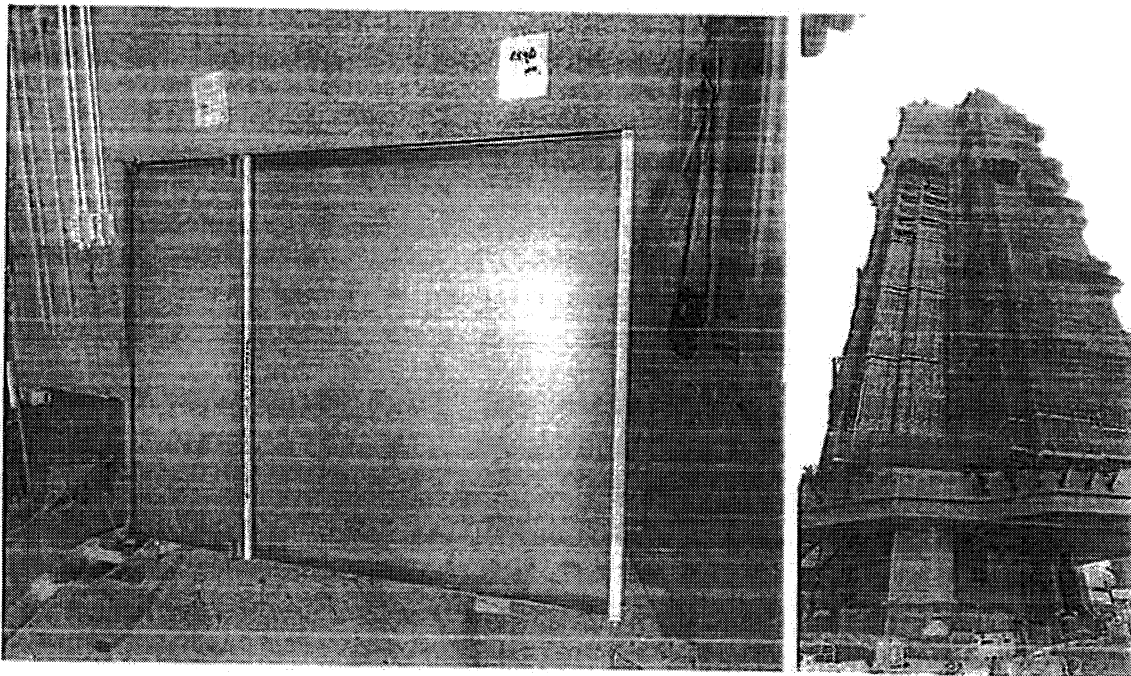


**FAÇADE CONCEPT LIMITED**  
昕輝行有限公司

- \* carry out on-site demonstration
- \* Monitor the condition of protection coating to ensure it is peelable after 6-9 months of application

### Submission Package

Product Name : Omniguard 110 np  
Application : Peelable Temporary Protection Coating  
Source of Origin : Belgium  
Manufacturer : Hevadex bvba  
Distributor : Façade Concept Limited



# Content

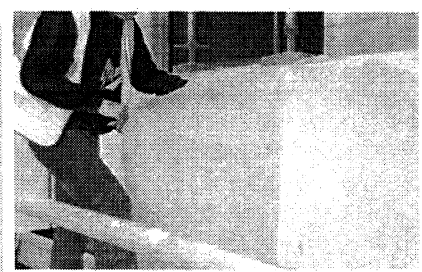
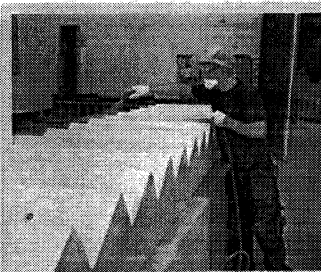
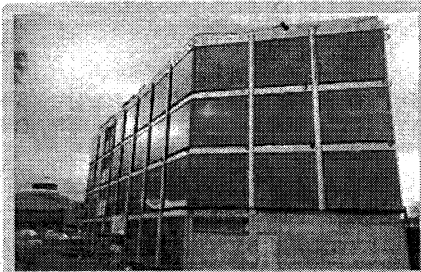
1. Technical Data Sheet – Omniguard 110 np
2. Material Safety Data Sheet
3. Application Method Statement
4. Test Reports
  - a. 400 Hours Artificial Weathering to EN-ISO 16474-3:2013 (by SHR)
  - b. Peel-off Test (by Bureau Veritas)
  - c. Sparks Test (by SGS)
5. Job Reference – Hong Kong

# OMNIGUARD 110np

APPLY WITH

Airless  
spraygun

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



## PRODUCT DESCRIPTION

OMNIGUARD 110NP is a waterborn, ready-to-use liquid based on state of the art polymer technology. This liquid is spray applied and quickly 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 concrete (12 months). 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 window application: 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.
- » About concrete application: OMNIGUARD NP110 film on fresh concrete also acts as curing compound and improves the quality of the concrete.

## APPLICATION

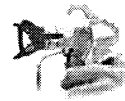
### Prior to starting the application:

- » 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).
- » When applying OMNIGUARD 110NP on concrete surfaces, hydrophobic pre-treatment of the concrete surface is needed with the Hevadex product BETOSHIELD WB: 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. This pretreatment with BETOSHIELD WB is not needed if the concrete is already hydrophobic because it had been treated with a hydrophobic agent, with an anti-graffiti coating, or if the (HD) concrete was already hydrophobic from itself.

### Application:

- » Stirr OMNIGUARD 110NP for homogenisation (do not add solvents or water).
- » Minimum requirements during application and drying: T: > 5°C; apply on a dry surface; do not apply during rain, or when rain or frost is expected the next 24-48 hours.

# OMNIGUARD 110np

**APPLY WITH**

**Airless  
spraygun**

- » 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 0,019 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
  - 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:**

Concrete surfaces within 12 months and window surfaces: within 18 months after application.

**LIMITATIONS**

- » Do not use OMNIGUARD 110NP on polycarbonate glass, nor on wooden surfaces.
- » Do not apply during rain or frost, or when expected within 24 hours after application.
- » Do not apply OMNIGUARD 110NP in full sunlight or on surfaces with a temperature > 30°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**

TEST INSTITUTE	TEST	STANDARD	VALUE
	UV- and weather resistance	EN ISO 16474-3:2013	400h
	Systemevaluation: concrete and window protection	VERITAS	Pass

**PACKAGING**

10kg pail - Pallet: 44 x 10 kg or 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.

Date of this edition: 19/05/2020

Our general conditions of sale apply. This document does not have a contractual value. This technical data sheet replaces and annuls the previous edition. The information given in this sheet has the purpose to inform and advice you. At every moment, this sheet can be adapted because of technical evolution. All information is given in good faith and without any warranty. The applicability, use and processing of these products are beyond our control and thus for the entire responsibility of the user/client/applicator. The user of the product must test the product's suitability and apply for the intended purpose. HeVADEX bvba is not liable for any damage or change limited to the value of the goods supplied by HEVADEX bvba. The products and systems are manufactured under total quality management. HEVADEX bvba reserves the right to change the properties of its products. Users must always refer to the most recent issue of the local Product Data Sheet, copies of which will be supplied on request.



# SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

## Omniguard 110NP

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Omniguard 110NP  
Registration number REACH : Not applicable (mixture)  
Product type REACH : Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1 Relevant identified uses

Peelable protection foil

##### 1.2.2 Uses advised against

No uses advised against known

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier of the safety data sheet

Hevadex BVBA  
Alfons Braekmanlaan 237A  
B-9040 Sint-Amandsberg  
☎ +32 93 48 31 00  
☎ +32 92 70 33 44  
herman.vandamme@hevadex.be

#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):  
+32 475 73 85 46

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

#### 2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### Supplemental information

EUH208 Contains: 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

No other hazards known

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
aminofunctional silicone	102782-92-3	C<2.5 %	Skin Irrit. 2; H315	(1)(10)	Constituent

(1) For H-statements in full: see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General:

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)  
Technische Schoolstraat 43 A, B-2440 Geel  
<http://www.big.be>  
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Reason for revision: 1  
Revision number: 0002

Publication date: 2015-11-11  
Date of revision: 2015-12-21

Product number: 56818

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134-17577-476-en

# Omniguard 110NP

If you feel unwell, seek medical advice.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

#### After ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

### 4.2.1 Acute symptoms

#### After inhalation:

No effects known.

#### After skin contact:

No effects known.

#### After eye contact:

No effects known.

#### After ingestion:

No effects known.

### 4.2.2 Delayed symptoms

No effects known.

## 4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### 5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. BC powder.

#### 5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

### 5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO<sub>2</sub> and small quantities of nitrous vapours, sulphur oxides.

### 5.3. Advice for firefighters

#### 5.3.1 Instructions:

No specific fire-fighting instructions required.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

Suitable protective clothing

See heading 8.2

### 6.2. Environmental precautions

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

### 6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See heading 13.

## SECTION 7: Handling and storage

Reason for revision: 1

Publication date: 2015-11-11

Date of revision: 2015-12-21

Revision number: 0002

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# Omniguard 110NP

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

## 7.1. Precautions for safe handling

Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe strict hygiene. Keep container tightly closed.

## 7.2. Conditions for safe storage, including any incompatibilities

### 7.2.1 Safe storage requirements:

Storage temperature: 5 - 35 °C. Store in a cool area. Meet the legal requirements.

### 7.2.2 Keep away from:

Heat sources.

### 7.2.3 Suitable packaging material:

Plastics.

### 7.2.4 Non suitable packaging material:

No data available

## 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

If applicable and available it will be listed below.

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Respiratory protection not required in normal conditions.

##### b) Hand protection:

Gloves.

##### c) Eye protection:

Face shield.

##### d) Skin protection:

Protective clothing.

#### 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical form	Liquid
Odour	Odourless
Odour threshold	No data available
Colour	White
Particle size	Not applicable (liquid)

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# Omniguard 110NP

Explosion limits	No data available
Flammability	Non-flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	10000 mPa.s ; 40 °C
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	water ; miscible
Relative density	1.0
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	9

## 9.2. Other information

Absolute density	1020 kg/m <sup>3</sup>
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heating increases the fire hazard.

### 10.2. Chemical stability

No data available.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO<sub>2</sub> and small quantities of nitrous vapours, sulphur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

##### Omniguard 110NP

No (test) data on the mixture available

##### Conclusion

Not classified for acute toxicity

#### Corrosion/irritation

##### Omniguard 110NP

No (test) data on the mixture available

##### aminofunctional silicone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Skin	Irritating; category 2					Literature study	

##### Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

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# Omniguard 110NP

## Respiratory or skin sensitisation

### Omniguard 110NP

No (test)data on the mixture available

#### Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

## Specific target organ toxicity

### Omniguard 110NP

No (test)data on the mixture available

#### Conclusion

Not classified for subchronic toxicity

## Mutagenicity (in vitro)

### Omniguard 110NP

No (test)data on the mixture available

## Mutagenicity (in vivo)

### Omniguard 110NP

No (test)data on the mixture available

## Carcinogenicity

### Omniguard 110NP

No (test)data on the mixture available

## Reproductive toxicity

### Omniguard 110NP

No (test)data on the mixture available

#### Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### Omniguard 110NP

No (test)data on the mixture available

## Chronic effects from short and long-term exposure

### Omniguard 110NP

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Omniguard 110NP

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

#### Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

No test data of component(s) available

### 12.3. Bioaccumulative potential

#### Omniguard 110NP

##### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

#### Conclusion

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# Omniguard 110NP

No test data of component(s) available

## 12.4. Mobility in soil

No (test) data on mobility of the components available

## 12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

## 12.6. Other adverse effects

### Omniguard 110NP

#### Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

#### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

#### 13.1.1 Provisions relating to waste

The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned. Can be considered as non-hazardous waste according to Regulation (EU) No 1357/2014.

#### 13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Remove to an authorized waste collection point.

#### 13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).  
15 01 02 (plastic packaging).

## SECTION 14: Transport information

### Road (ADR)

#### 14.1. UN number

Transport	Not subject
-----------	-------------

#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

#### 14.4. Packing group

Packing group	
Labels	

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
--	----

#### 14.6. Special precautions for user

Special provisions	
Limited quantities	

### Rail (RID)

#### 14.1. UN number

Transport	Not subject
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#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

#### 14.4. Packing group

Packing group	
Labels	

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
--	----

#### 14.6. Special precautions for user

Special provisions	
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# Omniguard 110NP

Limited quantities	
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## Inland waterways (ADN)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		

## Sea (IMDG/IMSBC)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Class		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Marine pollutant	-	
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		
Annex II of MARPOL 73/78		

## Air (ICAO-TI/IATA-DGR)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Class		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Passenger and cargo transport: limited quantities: maximum net quantity per packaging		

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	No data available

VOC content Directive 2004/42/EC

Maximum value	EC limit value	Category	Subcategory	Notation
0 g/l	40 g/l	IIA	c: Exterior walls of mineral substrate	2004/42/IIA(c){40}0

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# Omniguard 110NP

## REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
aminofunctional silicone	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010. 6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public. 7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'

### National legislation The Netherlands

#### Omniguard 110NP

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezuwaarlijkheid	11

### National legislation Germany

#### Omniguard 110NP

WGK	1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
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### National legislation France

#### Omniguard 110NP

No data available

### National legislation Belgium

#### Omniguard 110NP

No data available

### Other relevant data

#### Omniguard 110NP

No data available

## 15.2. Chemical safety assessment

No chemical safety assessment is required.

## SECTION 16: Other information

### Full text of any H-statements referred to under headings 2 and 3:

H315 Causes skin irritation.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption,

Reason for revision: 1

Publication date: 2015-11-11

Date of revision: 2015-12-21

Revision number: 0002

Product number: 56818

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# Omniguard 110NP

storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Reason for revision: 1

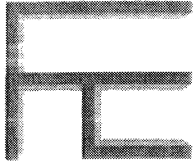
Publication date: 2015-11-11

Date of revision: 2015-12-21

Revision number: 0002

Product number: 56818

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**FAÇADE CONCEPT LIMITED**  
昕輝行有限公司

**Application Method Statement – Omniguard 110NP: High Weather Resistance Window Protection.**

**HAND APPLICATION**

**Prior to starting the application:**

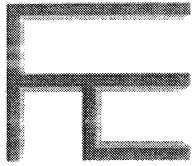
- Stirr Omniguard for homogenization (do not add solvents or water)
- Perform a trail on a little visible area with a paintbrush: remove after 3 days and evaluate the substrate surface for suitability and for possible colour or gloss differences (i.e. glossy aluminium window profiles etc.). Do not use on polycarbonate glass, nor on wooden surfaces. In case of doubt, contact Façade Concept Limited.

**Substrate Preparation:**

- The substrate must be clean, sound, free of dust, loose particles, cement laitance, grease, formwork release agents and other contaminations.
- Seal off the area where the product is not intended to coat.

**Application by Paintbrush:**

- Total minimum consumption of Omniguard as to guarantee easy peelability and protection, Glass: 0.5kg/m<sup>2</sup> or ~500 micron
- Apply the well mixed Omniguard with a brush onto the prepared surface as 1<sup>st</sup> layer with 0.25kg/m<sup>2</sup> (approx. 0.25mm).  
Verify layer thickness with a wet film gauge.
- The film will be tack free within 4 to 8 hours after application. The tack free time is depending on temperature, humidity, ventilation. The tack free time is shorten with higher temperature, humidity, ventilation.



**FAÇADE CONCEPT LIMITED**  
昕輝行有限公司

- Wait for the 1<sup>st</sup> layer has hardened enough to receive the 2<sup>nd</sup> apply. If the 1st layer is brushed in a vertical direction, apply the 2<sup>nd</sup> layer in a horizontal direction.  
Apply with brush for 0.25kg/m<sup>2</sup> (approx. 0.25mm) as 2<sup>nd</sup> layer and verify layer thickness with a wet film gauge
- 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

Application by Airless Spray Device:

- Total minimum consumption of Omniguard as to guarantee easy peelability and protection,  
Glass: 0.5kg/m<sup>2</sup> or ~500 micron
- Apply the well mixed Omniguard with airless spray device at 100 to 150 bar pressure, with a spraytip opening of between 0.015 and 0.019 inch.
- Spray the Omniguard onto the prepare surface with 0.5kg/m<sup>2</sup> (approx. 0.5mm)  
Verify layer thickness with a wet film gauge.
- 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

Equipment cleanings:

- Rinse brush and container with tap water to remove remaining product.

## 1. Introduction

- 1.1 Principal: HEVADEX bvba, Alfons Braeckmanlaan 237A, B-9040 Sint-Amandsberg (Gent)  
1.2 Date assignment: September 11<sup>th</sup>, 2017

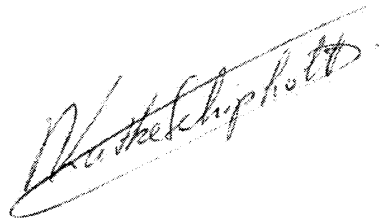
## 2. Materials and methods

- 2.1 Tested product: *Description:* Protective release coating applied to glass  
*Specifications:* Sample of coating applied to glass substrate of dimensions 74 mm x 300 mm.  
Sample code: R2808-I,  
Commercial name: OMNIGUARD 110NP
- 2.2 Date arrival: September 6<sup>th</sup>, 2017
- 2.3 Tests: Artificial weathering according to EN-ISO 16474-3:2013.  
A test cycle was agreed consisting of 4 hours condensation at a black panel temperature of  $50 \pm 3^\circ\text{C}$  and 20 hours UVB-313 (irradiance level  $0,48\text{W}/\text{m}^2/\text{nm}$  at 310 nm) at a black panel temperature of  $60 \pm 3^\circ\text{C}$ . Relative Humidity not controlled. Test duration was 400 hours in total. Sample was tested as received.
- 2.4 Test period: September 11<sup>th</sup> till September 28<sup>th</sup>, 2017

## 3. Results

1 sample of OMNIGUARD 110NP was exposed to 400 hours of accelerated weathering consisting of UVB-313 irradiation and condensation.  
1 sample was stored at ambient conditions as a reference.  
After the accelerated weathering test, OMNIGUARD 110NP was visually assessed and showed similar appearance and removability behaviour (adhesion and toughness) by manually peeling off the coating as the unexposed reference.

## Appendix



N. Lutke Schipholt MSc.  
Project manager



M.E. van der Zee MSc  
2<sup>nd</sup> author

This report has 1 page. It is the property of the principal, who has the right to publish the complete report. Partial publication, even by the principal, is only allowed after written approval of SHR.



## **EVALUATION ATTESTATION**

### **OMNIGUARD SPRAYED PROTECTION**

#### **A. SCOPE OF THIS ATTESTATION:**

Evaluation of Omniguard sprayed protection application witnessed on 8<sup>th</sup> November 2012.

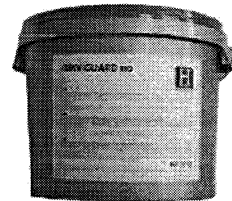
#### **B. PRACTICAL TESTS:**

##### **1. Products**

###### **a. OMNIGUARD 110**

Water based liquid that is applied with a suitable spray device on different types of surfaces and dries to a protective film;

Application field: protective film for windows, façade panels, bathtubs, shower plates, or in general all non-porous substrates that need protection ... during construction works; both for inside and outside use.



###### **b. OMNIGUARD 112**

Water based paste that is applied with roller or brush on different types of surfaces and dries to a protective film;

Application field: protective film for windows, bathtubs, shower plates, ... during construction works; both for inside and outside use.

##### **2. Description of the test site**

New build – combination of office and residential use

- Windows: coated aluminium, inside and outside
- Stairs: precast concrete
- Shower plate

##### **3. Application test – 8th of November 2012**

Product used: Omniguard 110

Applied surface: coated aluminium frame and glass

For the witnessed test, the following airless spray device was used: GRACO 190 ES. This airless spray device is powered with standard 220V.

During application:

- Amount of noise from the airless device GRACO 190 ES in operation is limited
- There is hardly any odour/smell during application (also the product itself hardly has any smell), nevertheless it is recommended to wear protective mask, safety goggles and gloves during application (consult the safety datasheet prior to application).





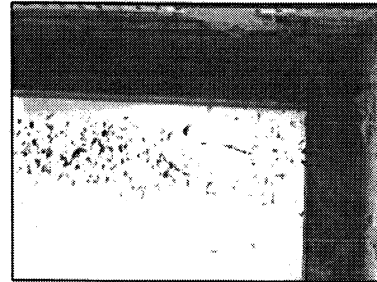
**BUREAU  
VERITAS**

#### 4. Peel-off test – observations

##### **A. Window:**

HEVADEX confirms that the protection film was applied 4 weeks before this peel-off test, on the windows, both inside and outside.

We observe the OMNIGUARD 110 protection film with traces of plaster, cement, ... People from HEVADEX also show us that windows can be opened and closed without the protection film loosening from the window.



The OMNIGUARD 110 protection film is semi-transparent, hardly blocking any daylight.

OMNIGUARD 110 sprayed protection is removed very easily and quick both from the glass and the aluminium profiles; no product residue or other traces of OMNIGUARD 110 is left on the window profile or window glass. Result is a clean and undamaged window, (despite the severe conditions.)

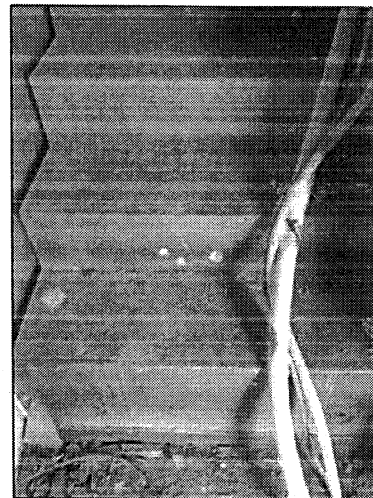
##### **B. Precast concrete stair**

We are informed by HEVADEX that an impregnating silane/siloxane primer (named OMNIGUARD 110 PRIM S25) was applied on the concrete, prior to the spray application of OMNIGUARD110 on the concrete stairs.

Primer and OMNIGUARD 110 were applied 4 weeks before this date of evaluation.

Omniguard 110 protection film was found easy to walk on, not slippery.

OMNIGUARD 110 protection film is easily and quickly removed from the concrete stairs, not leaving any residue of OMNIGUARD 110. Result is a clean and undamaged precast concrete stair.

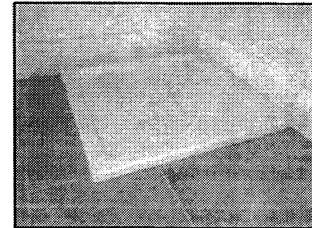




**BUREAU  
VERITAS**

### **C. Shower plate:**

OMNIGUARD 110(spray applied) and OMNIGUARD 112 (brush applied) are easily removed from a shower plate, not leaving any residue of the product on the shower plate. Result is an undamaged shower plate although conditions were severe.



### **5. Protection against sparks (grinding disc) – 8<sup>th</sup> of November 2012**

A separate test, whereby a small glass plate is partially protected with OMNIGUARD 110, shows that OMNIGUARD 110 sprayed film successfully protects windows against sparks (grinding disc)

### **GENERAL CONCLUSION OF THIS EVALUATION**

Based on our observations of this project, we can confirm that OMNIGUARD 110 sprayed and OMNIGUARD 112 brush applied protection films are an effective and durable protection, inside and outside, for surfaces like windows, tiles, glass, ceramics, concrete, etc. against mechanical damages, spillage of dirt, alkalinity of cement or plastering, against various stains which can affect the aesthetics etc. It is clear that the temporary coating is not affected by UV light, high humidity or rain. The protection film is easy removable and no product residue was observed nor any staining by the coating itself. The product fulfils the intended use as described in the product datasheet.

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The above inspection has been performed to the best of our knowledge and this document reflects our findings at time and place of inspection only and the issuance of this report does not evidence or refer to any other matters. This document does not release sellers/suppliers from their contractual obligations with regard to quality and quantity of this delivery nor does it prejudice buyer's right to claim towards sellers/suppliers for compensation of any apparent and/or latent defects not detected during our inspection of occurring thereafter. Bureau Veritas does not take any responsibility for any changes in the consignment outside of its control and is subject to the Rules and Regulations drawn up by the International Federation of Inspection Agencies (IFIA) and Bureau Veritas General Conditions.

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Issued at Antwerp on 30<sup>th</sup> November 2012

Dirk Van der Eecken  
Bureau Veritas Belgium

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P.O. box 5187  
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tel: +31 (0) 88 - 2 145 204

**SGS**

## Certificate Of Analysis

Hevadex bvba  
attn. Mr. H. Van Damme  
Spinnerslaan 6  
9160 LOKEREN  
Belgium

Date : 28-05-2021  
Subject : Testing Omniguard 110NP  
Your Code : **OMNIGUARD 110NP**  
Laboratory Number : 204624B  
Sampling : By Hevadex  
Period of Investigation : 14-12-2020 until 04-02-2021

## SAMPLE DATA

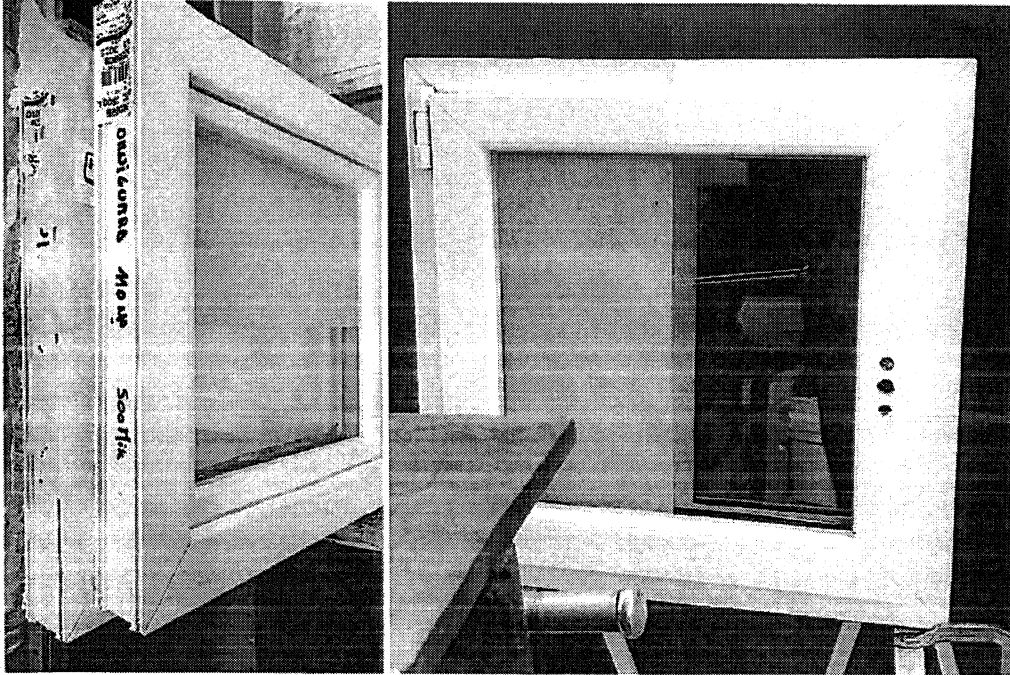


Photo - the received sample from Hevadex. The temporary protective film is cream white

Author:

H.P.H. Creemers  
accountmanager

Authorisation:

P. Creemers van Deijl  
kamoscrivator

## INTRODUCTION

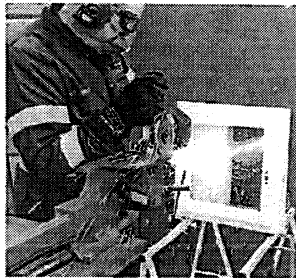
Hevadex has asked SGS INTRON to assess whether the sprayed temporary protection film has sufficient resistance against sparks of grinding metals and of welding metal. Because no standards are available to determine this, we have drawn up a practical test program together with Hevadex.

## TEST PROGRAM

Part of a window is sprayed with the temporary film and the other part is untreated. The entire window is tested with:

- carbon steel sparks
- stainless steel sparks
- aluminum sparks
- metal welding sparks

All tests are performed for 30 seconds at a distance of 50 cm on the same window frame.



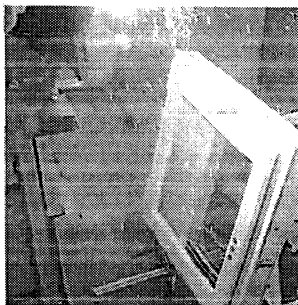
*carbon steel*



*stainless steel*



*aluminum*



*metal welding*

Before the tests the window was visually checked on any damages present in advance (for instance transport damage) and these have been taken into account in the assessment.

After the tests:

- the window was visually assessed
- the temporary protection film was visually assessed
- the temporary protection film was removed
- the window under the temporary protection film was visually assessed
- the thickness of the film was measured at various locations.



## RESULTS

### Summary of the result

The temporary film to protect the window against metal grinding and welding sparks performed well in the test setup chosen by SGS Intron and Hevadex. We have not observed any damage to the protected side of the glass and window frame, after the selected exposition regime.

The tests can also be viewed on our SGS YouTube channel via this link or QR code.

- SGS Omniguard 110NP Product Testing: <https://youtu.be/i4TJCojDXCE>



Further test details are presented in the following paragraphs.

### Result details: Visual assessment

Protected side of the Window	Unprotected side of the Window
<u>Film</u> No visible damage	<u>No Film</u> Not relevant
<u>Glass</u> No visible damage	<u>Glass</u> Extensive damage from the sparks and from welding drops
<u>Vertical part of the window frame</u> No visible damage	<u>Vertical part of the window frame</u> Some damage from the sparks and considerable damage from the welding drops
<u>Horizontal part of the window frame</u> No visible damage	<u>Horizontal part of the window frame</u> Some damage from the sparks and considerable damage from the welding drops

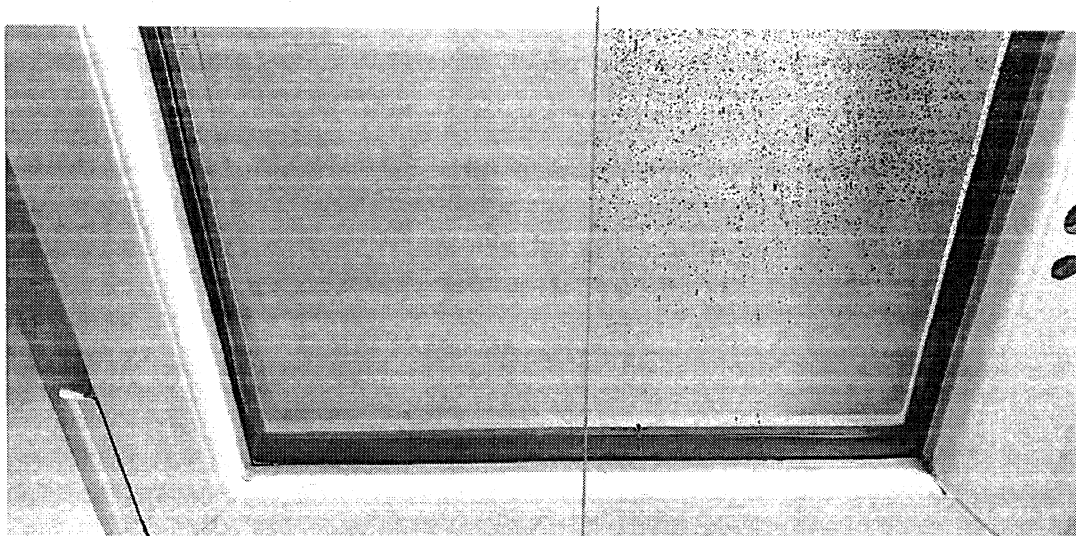


Photo – Left = protected side

right = unprotected side.



**Result details: film thickness**

Measurement Location	Glass	Window Vertical	Window Horizontal
1	320	220	210
2	330	190	260
3	210	150	160
4	260	140	150
5	240	240	
6	240	200	
7	220	400	
8	350	410	
9	360	340	
10	360	270	
<b>Average</b>	<b>289</b>	<b>256</b>	<b>195</b>
min.	210	140	150
max.	360	410	260

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- The results are only related to the investigated samples.
- The scope of the NEN-EN-ISO/IEC 17025 accreditation includes all results associated with analyzes that are marked with a Q for analysis methods.
- The uncertainty of measurement of the reported results and other performance data can be requested at SGS INTRON.
- On request, a list of accredited analysis methods can be requested, which describes the relationship (compliant, equivalent, own method) with the underlying standard.

## Omniguard 110 NP - Hong Kong Reference

<b>Project</b>	<b>Application</b>	<b>Year</b>	<b>Owner</b>
China States Tile Façade Protection	External Tiling Faacade Protection	2019	China State
Plantation Road Residential Development	External Façade, glass & sealant	2020	Private
YLTL 510 (North Towers) Residential Development (The Yoho Hub)	External Façade, glass & sealant	2020	SHK
Lohas Park 10 (LP 10)	Balcony door sill artificial stone protection	2021	Nan Fung
YLTL 510 (South Towers) Residential Development (The Yoho Hub)	External Façade, glass & sealant	2021	SHK
Sin Fat Road Residential Development (KoKo Hill)	Kitchen sinks & bath tub	2021	Wheelock
NKIL 6567, One Victoria 維港1號	Kitchen sinks & bath tub	2021	China Oversea



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[vincent.tsang@facade.com.hk](mailto:vincent.tsang@facade.com.hk)  
[www.facadehk.com](http://www.facadehk.com)

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