

for interior/exterior decoration

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Description

Panespol® high-density polyurethane decorative panels are decor materials developed and manufactured for use in interior and exterior design projects. Representing practical advantages for use in covering surfaces and in facsimile reproduction of the textures, colours and finishes of a virtually unlimited spectrum

of traditional and imagined construction and architectural materials, their use has become widespread in interior design for contract decoration, visual identity for brands and chains, as well as display in retail and commercial spaces.

Information about the manufacturer and the product

Name of the company: **Panespol Systems de Alcoy S.L.** Product ID(s): **Polyurethane Panel for exterior/interior decoration.**

Trade Names / References or Commercial Codes:

PX-001, PX-002, PX-006, PX-010, PX-011, PX-014, PX-015, PX-016, PX-018, PX-019, PX-020, PX-022, PX-023, PX-025, PX-026, PX-027, PX-028, PX-029, PX-030, PX-031, PX-032, PX-034, PX-035, PX-036, PX-039, PX-040, PX-043, PX-044, PX-045, PX-046, PX-047, PX-048, PX-049, PX-050, PX-052, PX-053, PX-054, PX-056, PX-057, PX-058, PX-059, PX-060, PX-061, PX-064, PX-065, PX-067, PX-068, PX-069, PX-070, PX-071, PX-072, PX-073, PX-074, PX-075, PX-076, PX-077, PX-078, PX-079, PX-080, PX-081, PX-082, PX-083, PX-084, PX-085AF, PX-087, PX-089, PX-090, PX-091, PX-096, PX-097, PX-098, PX-099, PX-100, PX-103, PX-104, PX-105, PX-111, PX-115, PX-116, PX-117, PX-118, PX-119, PX-120, PX-121, PX-122, PX-123, PX-124, PX-125, PX-126, PX-130, PX-137, PX-139, PX-140, PX-141, PX-142, PX-143, PX-144, PX-145, PX-146, PX-147, PX-148, PX-149, PX-150, PX-151BL, PX-151, PX-153, PX-154, PX-155, PX-159, PX-160, PX-176, PX-177, PX-178, PX-179, PX-180, PX-181, PX-182, PX-183, PX-184, PX-185, PX-190, PX-194, PX-195, PX-196, PX-197, TX-008, TX-010, TX-011, TX-018, TX-019, TX-022, TX-025, TX-033, TX-034, TX-035, TX-036, TX-037, TX-038, TX-039, TX-040, TX-047, TX-048, TX-049, TX-050, TX-053, TX-055, TX-056 9002.

It also applies to all the references in any RAL colour

Composition, information about components

ID.	DESCRIPTION	%
A	Dual-component polyurethane system, suitable for producing rigid foam	80%
B	Dual-component cladding comprising a crystal mineral base and an acrylic polymer	15%
C	Inorganic pigments and colorants	0,5%
D	Water-based paint coating with acrylic co-polymers	0,5%
E	Micronized limestone	4%

Possible risks

Identified risks or effects on health:

No specific dangers have been found during normal use. For more information, please see the safety sheet.

Emergencies and first aid

- **Skin:** no specific dangers.
- **Eyes:** no specific dangers.
- **Ingestion:** very uncommon. Induce vomiting. Look for medical care. Show this security data sheet.
- **Inhalation:** the product does not produce vapours. In case of physical discomfort, consult a doctor.

Explosion and fire risk

- **Exinction mesures:** CO2, foams, dry chemical powder or wahter, depending on the materials implicated in the fire.
- **Unsuitable extinguishing:** none.
- **Combustion hazards:** avoid smoke inhalation.
- **Fire protection equipment:** use self-contained breathing apparatus.

Measures in case of accidental spillage

Product stable in solid slate.

Cleaning methods: collect the product for reusing or throwing away. Afterwards, clean the area with water.

Handling and storage

- **Handling:** use protection gloves.
- **Storage:** use compact packaging. It is advisable to store in their original packaging. Store in dry, fresh, protected and ventilated place. Recommended maximum product storage temperature 65%.

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Exposure controls

- **Preventive measures:** the product is stable in solid state and normal conditions.
- **The product does not present exposure risk**, but it is recommended to use the following protection equipment during the handling of the product:
 - **Breathing protection:** anti dust mask.
 - **Protection gloves:** use rubber or P.V.C. gloves.
 - **Eye Protection:** use security glasses.
 - **Industrial Hygiene:** do not smoke, drink or eat during the handling of the product.
- **No additional preventive measure has to be taken unto account.**
- **Exposure limits (ACGIH):** none.

Physical and chemical properties

- Appearance **solid**
- Smell **has not characteristic odour**
- Relative density **250kg/m³ (20°C)**
- Thickness (according to UNE-EN 823:1995): **between 27,88 and 29,42 mm.**
- Thickness (according to UNE-EN 825:1995): **maximum deviation from flatness 9,80mm**
- Thermal resistance (according to UNE-EN ISO 6946:2012): **0,4 m² K / W.**

Stability and reactivity

- | | | |
|-------------------------------|---|--|
| The product is stable. | Conditions to avoid:
Stable in normal conditions. | Substances to avoid:
Reacts exothermically in contact with solvents. |
|-------------------------------|---|--|

Toxicological information

Take into account the concentration of every substance in order to evaluate the toxicological effects caused by the exposure.

Ecological information

Use the proper working techniques. Avoid product dispersion in the environment.

Disposal considerations

- Follow the applicable local and national provisions of Directive: 91/156/CEE, 91/689/CEE, 94/62/CE and their amendments
- Wastes must be treated according to applicable law.

Transport information

This product is not classified as hazardous for transport.

Regulatory information

- Safety, health and environmental regulations/legislations specific for the mixture.
- Directive 67/548/EEC (Classification, labelling and packaging of hazardous substances). Directive 99/45/EEC (Classification, labelling and packaging of dangerous preparations). Directive 98/24/EC (Risks related to the chemical agents during the handling). Directive 2000/39/CE (Professional exposure limits). Directive 2006/8/CE. Regulation (CE) n.1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Other information

- **Paragraphs modified since the last review:** none.
- **Bibliography sources:**
 - **ECDIN** – Environmental Chemicals Data and Information Network – Joint Research Centre, Commission of the European Communities.
 - **SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS** – Eight Edition – Van Nostrand Reinold.
 - **CCNL** – Allegato 1" TL V de 1989-90".
- The information contained in this safety data sheet has been done according to our knowledge at the date above mentioned. It refers only at the product indicated and does no guarantee of particular qualities.
- The user must be sure of the sustainability and accuracy of the information in relation to the specific use of the product.
- This data sheet replaces any former edition.

**BRIK-CEN
MS-12**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING



- 1.1 Product identifier:** BRIK-CEN
MS-12
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Adhesive
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:** QUIADSA
C/ VALDELACUEVA s/n
28880 MECO - MADRID - Spain
Phone.: +34 91 886 07 51 // +34 902 50 38 39 -
Fax: +34 91 886 02 72
quiadsa@quiadsa.es
www.quiadsa.es
- 1.4 Emergency telephone number:** +34 91 886 07 51

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) n° 1272/2008:
The product is not classified as dangerous according to CLP Regulation (EC) n° 1272/2008.
- 2.2 Label elements:**
CLP Regulation (EC) n° 1272/2008:
Hazard statements:
Non-applicable
Precautionary statements:
P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment
Supplementary information:
EUH208: Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction
- 2.3 Other hazards:**
Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Non-applicable
- 3.2 Mixture:**
Chemical description: Mixture of substances
Components:
In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 2768-02-7 EC: 220-449-8 Index: Non-applicable REACH: 01-2119513215-52-XXXX	Trimethoxyvinylsilane	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H335 - Danger 	
CAS: 1760-24-3 EC: 217-164-6 Index: Non-applicable REACH: 01-2119970215-39-XXXX	N-(3-(trimethoxysilyl)propyl)ethylenediamine	Self-classified	<1 %
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 and 16.

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continue)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, containing flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continue)

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid projections and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

There are no environmental limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,69 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,9 mg/m ³	Non-applicable
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	5 mg/kg	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	35,3 mg/m ³	Non-applicable

DNEL (General population):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	Oral	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Dermal	26,9 mg/kg	Non-applicable	0,3 mg/kg	Non-applicable
	Inhalation	93,4 mg/m ³	Non-applicable	1,04 mg/m ³	Non-applicable
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Dermal	17 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,7 mg/m ³	Non-applicable

PNEC:

Identification		PNEC		
		Systemic	Local	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	STP	110 mg/L	Fresh water	0,34 mg/L
	Soil	0,052 mg/kg	Marine water	0,034 mg/L
	Intermittent	3,4 mg/L	Sediment (Fresh water)	1,24 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,12 mg/kg
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	STP	25 mg/L	Fresh water	0,062 mg/L
	Soil	0,0085 mg/kg	Marine water	0,0062 mg/L
	Intermittent	0,62 mg/L	Sediment (Fresh water)	0,22 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,022 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place



As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.



B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.



C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves		EN 420:2003+A1:2009	Replace the gloves at any sign of deterioration.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against liquid splash		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing		EN ISO 13688:2013	For professional use only.
	Anti-slip work shoes		EN ISO 20347:2012 EN ISO 20344:2011	None

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash stations	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	2,95 % weight
V.O.C. density at 20 °C:	44,89 kg/m ³ (44,89 g/L)
Average carbon number:	5,25
Average molecular weight:	156,11 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not available
Color:	Not available
Odor:	Not available

Volatility:

Boiling point at atmospheric pressure:	302 °C
Vapour pressure at 20 °C:	5 Pa
Vapour pressure at 50 °C:	39 Pa (0 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	1521 kg/m ³
Relative density at 20 °C:	1,521
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Autoignition temperature:	295 °C

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Lower flammability limit: Non-applicable *
Upper flammability limit: Non-applicable *

9.2 Other information:

Surface tension at 20 °C: Non-applicable *
Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Avoid direct impact	Not applicable	Not applicable

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

B- Inhalation:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes:

- Contact with the skin: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continue)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilizing effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensibilizing effects. For more information see section 3.
- F- Specific target organ toxicity (STOT)-time exposure:
- Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
- G- Specific target organ toxicity (STOT)-repeated exposure:
- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:
- Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	7340 mg/kg	Non-applicable	Rat
	Non-applicable	Non-applicable	
	Non-applicable	Non-applicable	
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	2413 mg/kg	Non-applicable	Rat
	Non-applicable	Non-applicable	
	Non-applicable	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification	Acute toxicity		Specie	Genus
	LC50	EC50		
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	597 mg/L (96 h)	81 mg/L (48 h)	Brachydanio rerio	Fish
	8,8 mg/L (72 h)		Daphnia magna	Crustacean
			Selenastrum capricornutum	Algae

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
	BOD5	COD	Concentration	Period
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Non-applicable	Non-applicable		Non-applicable
	Non-applicable	Non-applicable	Period	28 days
	Non-applicable	Non-applicable	% Biodegradable	39 %

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

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SECTION 12: ECOLOGICAL INFORMATION (continue)

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2015 and RID 2015:

- 14.1 UN number:** Non-applicable
- 14.2 UN proper shipping name:** Non-applicable
- 14.3 Transport hazard class(es):** Non-applicable
- Labels: Non-applicable
- 14.4 Packing group:** Non-applicable
- 14.5 Dangerous for the environment:** No
- 14.6 Special precautions for user**
- Special regulations: Non-applicable
- Tunnel restriction code: Non-applicable
- Physico-Chemical properties: see section 9
- Limited quantities: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 37-14:

- CONTINUED ON NEXT PAGE -

**BRIK-CEN
MS-12**

SECTION 14: TRANSPORT INFORMATION (continue)

14.1 UN number:	Non-applicable
14.2 UN proper shipping name:	Non-applicable
14.3 Transport hazard class(es):	Non-applicable
Labels:	Non-applicable
14.4 Packing group:	Non-applicable
14.5 Dangerous for the environment:	No
14.6 Special precautions for user	
Special regulations:	Non-applicable
EmS Codes:	
Physico-Chemical properties:	see section 9
Limited quantities:	Non-applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2015:

14.1 UN number:	Non-applicable
14.2 UN proper shipping name:	Non-applicable
14.3 Transport hazard class(es):	Non-applicable
Labels:	Non-applicable
14.4 Packing group:	Non-applicable
14.5 Dangerous for the environment:	No
14.6 Special precautions for user	
Physico-Chemical properties:	see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable
Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Contains 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich. This product may not be used in childrens' games or items if the final 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich concentration is greater than 0.1 in the weight of plasticised material.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continue)

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks. :

Non-applicable

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) n° 1272/2008:

Eye Dam. 1: H318 - Causes serious eye damage

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 2: H225 - Highly flammable liquid and vapour

Skin Irrit. 2: H315 - Causes skin irritation

Skin Sens. 1: H317 - May cause an allergic skin reaction

STOT SE 3: H335 - May cause respiratory irritation

Classification procedure:

Non-applicable

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road

-IMDG: International maritime dangerous goods code

-IATA: International Air Transport Association

-ICAO: International Civil Aviation Organisation

-COD: Chemical Oxygen Demand

-BOD5: 5-day biochemical oxygen demand

-BCF: Bioconcentration factor

-LD50: Lethal Dose 50

-CL50: Lethal Concentration 50

-EC50: Effective concentration 50

-Log-POW: Octanol-water partition coefficient

-Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)



JOINT FILLER FOR PANESPOL PANELS

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SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: **JOINT FILLER FOR PANESPOL PANELS**
Product Code:

1.2 Relevant identified uses of the mixture and uses advised against.

Water-borne acrylic plaster intended for treating rebel cracks and fissures.

We recommend to read its Technical Data Sheet carefully.

1.3 Details of the supplier of the safety data sheet.

Company: **PANESPOL SYSTEMS, S.L**
Address: CL/BUIXCARRO N°5 – APDO. 93
City: 03802 ALCOY
Province: ALICANTE
Telephone: 96 554 96 72
Fax: 96 554 96 73
E-mail: info@panespol.com

1.4 Emergency telephone number: (Only available during office hours)
96 554 96 72

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

The product is not classified as hazardous within the meaning of Directive 1999/45/EC.
The product is not classified as hazardous within the meaning of Regulation (EU) No 1272/2008.

2.2 Label elements.

The preparation is not classified as hazardous according to the Regulation on classification, packing and labelling of hazardous preparations.

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

This mixture does not contain substances that pose a danger to health or the environment in accordance with the Hazardous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, are not assigned a Community exposure limit in the workplace, and are not classified as PBT/vPvB or included in the Candidate List.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

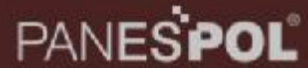
Due to the composition and type of the substances present in the product, no particular warnings are necessary.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

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Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

No known acute or delayed effects from exposure to the product.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

SECTION 5: FIREFIGHTING MEASURES.

5.1 Extinguishing media.

Recommended extinguishing methods.

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

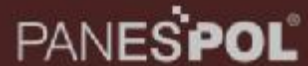
6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:
For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures.
As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.
Keep away from oxidising agents and from highly acidic or alkaline materials.
Store the containers between 5 and 35° C, in a dry and well-ventilated place.
Store according to local legislation. Observe indications on the label.

7.3 Specific end use(s).

Industrial application of coatings and inks
Professional application of coatings and inks
Consumer application of coatings and inks

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Breathing protection:

If the recommended technical measures are observed, no individual protection equipment is necessary.

Hand protection:

If the product is handled correctly, no individual protection equipment is necessary.

Eye protection:

If the product is handled correctly, no individual protection equipment is necessary.

Skin protection:

PPE: Work footwear.
Characteristics: «CE» marking, category II.
CEN standards: EN ISO 13287, EN 20347

Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.

Observations: Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Beige or black plaster reinforced with fiberglass

Odour: Characteristic

Odour threshold: N.A./N.A.

pH: 8.0-8.5

Melting point: N.A./N.A.

Boiling Point: N.A./N.A.

Flash point: N.A./N.A.

Evaporation velocity: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

Lower Explosive Limit: N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: N.A./N.A.

Vapour density: N.A./N.A.

Relative density: 1.4 gr/cm³.

Solubility: N.A./N.A.

Liposolubility: N.A./N.A.

Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A.

Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A.

Oxidizing properties: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2. Other information.

Volatile organic compound (VOC)

Product subcategory: one-pack performance coating, water-borne

Phase I* (from 1.1.2007): 140

Phase II* (from 1.1.2010): 140

* g/l ready to use

VOC content (g/l): 40.74 g/l

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid temperatures near or above the flash point. Do not heat closed containers.

10.5 Incompatible materials.

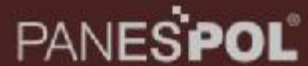
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

No information is available regarding the toxicity of the substances present.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potencial.

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Transportation is not dangerous.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.
Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

SECTION 16: OTHER INFORMATION.

It is recommended that the product only be employed for the purposes advised.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.