




INSTRUCTION CARD
ON THE APPROPRIATE USE
—
INSULATING MATERIAL
URSA XPS

Review: 1
Date: **01/08/2016**

Done by:	Sales Technical Manager URSA Italy	Cecilia Faccini 01/08/2016
Reviewed by:	Marketing Manager – URSA Italy	Alessandra Costa 01/08/2016
Approved by:	Engineering & Marketing Manager URSA Italy	Pasquale D’Andria 01/08/2016

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 2 of 7		

1 Product and Company Identification


Product name	Extruded expanded polystyrene
Use	Thermal insulation in civil applications In compliance with standard EN 13164.
Manufacturer	<p>URSA Italia s.r.l.</p> <ul style="list-style-type: none"> Via Uralita 10 - 44012 Bondeno (FE) - Italy Phone: (+39) 0532 888711 Fax (+39) 0532 898297 E-mail: ursaitalia@cert.unindustria.fe.it
Distributor	<p>URSA Italia s.r.l.</p> <ul style="list-style-type: none"> Centro Direzionale Colleoni Via Paracelso, 16 - 20864 Agrate Brianza (MB) - Italy http://www.ursa.it Phone: (+39) 039 6898576 Fax (+39) 039 689579 Via Uralita 10 - 44012 Bondeno (FE) - Italy Phone: (+39) 0532 888711 Fax (+39) 0532 898297 E-mail: ursaitalia@cert.unindustria.fe.it
Emergency calls:	<p>(+39) 039/6898576</p> <p>The telephone service is available from 09:00 a.m. to 06:00 p.m. from Monday through Thursday and from 09:00 a.m. to 03:00 p.m. on Friday.</p>

2 Risk identification

There is no risk associate to the exposure or handling the URSA XPS extruded polystyrene products.

3 Composition of the substance

URSA XPS is an extruded polystyrene product consisting of a closed cell structure containing air. In the extrusion process, the expansion is obtained without any use of HCFC, CFC or of any gases whose GWP is different than 1, in compliance with the strictest European standards and for the safeguard of the environment.

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 3 of 7		

<u>Chemical composition</u>	CAS Number	Weight percentage content	Classification and labeling
Extruded polystyrene	9003-53-6	90-95	/
Expansion gas (CO2)	124-38-9	5-10	/
Additives (nucleating agent, lubricating agent, flame retardant, color)	/	<2	/

None of the substances contained in the URSA XPS products is subject to recording, assessment, authorization or restriction in compliance with EC regulations no. 1907/2006, nor is it subject to classification, labeling and packaging in compliance with EC regulations no. 1272/2008.


4 First aid measures

Inhaling	n/a
Skin contact	None
Eye contact	Thoroughly flush with warm water
Ingestion	n/a

n/a = not applicable

5 Fire-fighting measures

Appropriate fire-fighting means	CO2, dry powder fire extinguishers Foam, nebulized water to cool the surfaces exposed to fire.
Inappropriate fire-fighting means	None.
Risks of exposure	Dense smoke is produced during the combustion of the product. During the combustion, the polymers decompose. The smoke may contain fragments of polymers of various composition, besides toxic and/or irritating products. The combustion products may include Carbon Monoxide and CO2.
Personal Protection Equipment	Wear the appropriate outfit (including safety helmet, jacket, trousers, safety boots and gloves). In case there is a risk of excessive exposition to vapors and fumes, wear the appropriate breathing apparatus.

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 4 of 7		

Additional remarks:

The URSA XPS panels contain flame retardant, which prevents the panels from igniting if submitted to small flames. When mated to other materials, it must be ensured that the specific technical requirements for the application (glue compatibility) are complied with.

6 Measures in case of accidental spillage.

Personal precautions

None

Cleaning methods:

Collect the spilled material into purposely-allocated vessels and dispose of in compliance with the law.


7 Handling and storage

Handling:

- Protect the insulating panels from direct sunlight, humidity and direct heat.
- Some operations, such as grinding and cutting, generate dust. Electrostatic charges generate by friction and may create sparks and cause explosions. Provide for the appropriate local ventilation and appropriate systems to handle the dust.
- The panels are attacked by solvents. Subsequently, the glues and all the materials that come into contact with the panels must be free from any solvents.
- Do not use direct flames on the panels.
- This product is combustible and may generate risk of fire if inappropriately used or installed. Once installed, this material must be protected as appropriate as described in the national regulations that govern construction and/or in the instructions reported in the specific installation brochures.
- The "URSA XPS" panels should not be exposed to temperatures greater than 75°C for long periods of time.

Storage:

- During shipment, storage, installation and use, this material should not be exposed to flames or to other sources of heat.

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 5 of 7		

8 Exposure control/Personal protection

Limits of exposure: None.

Recommended personal protection:


- **Protection of the respiratory tract:** In a dusty or misty atmosphere, utilize an appropriate breather. Handle the product (cutting and grinding) in sufficiently ventilated conditions.
- **Protection of the hands:** Gloves are recommended for the cutting operations.
- **Protection of the eyes:** No eye protections are required.
- **Protection of the skin:** Working outfit.
- **Hygiene Measure** n/a

9 Chemical and physical properties

Aspect	Rigid multi-cell panels
Color:	Light yellow
Odor:	None
Softening point:	> +75°C
Melting point:	> +100°C / +125°C
Density:	29-50 Kg/m ³
Decomposition temperature:	+350°C
Flash point:	+380°C
Spontaneous ignition temperature	+500°C

10 Stability and reactivity

Thermal stability:	The exposure to high temperatures, greater than 75° C, may generate the deformation of the material.
Hazardous reactions:	Aromatic hydrocarbons, major aliphatic hydrocarbons (C5), esters, amines, aldehydes.
Hazardous decomposition products:	Normally it does not decompose. Combustion conditions generate carbon monoxide or CO ₂ depending upon the temperature of the fire.
Additional remarks:	Avoid the direct exposure to sunlight

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 6 of 7		

11 Toxicological information

Skin contact	Normally not irritating for the skin. Potential risk of mechanical abrasions.
Eye contact:	Solid parts or dust may generate irritation or injuries to the cornea due to mechanical actions.
Inhaling	The dust may generate irritation to the high respiratory tract (nose and throat). Fumes/vapors released during high temperature operations such as hot wire cutting.

12 Environmental information

Degradation:	The material is not biodegradable in the environment. When exposed to intense sunlight for extended periods, the product surface degrades into fine dust.
Bio-accumulation	Since the "URSA XPS" panels are not biodegradable, they do not involve any environmental risk for the soil or the water.


13 Disposal

In compliance with the law, regulations and standards in force, the "URSA XPS" material can be:

- mechanically recycled
- chemically recycled
- used underground, e.g. as a replacement of the filling materials in the excavations
- recycled, in authorized incineration systems, in order to recover their energy content.

14 Transport information

No restriction standards are in force as related to the transport of the product.

URSA-SUIS_XPS	Marketing Department	
Rev. 1 – 01/08/2016	INSTRUCTION CARD ON THE APPROPRIATE USE	
Page 7 of 7		

15 Information on regulations/labeling

This product does not require any classification in compliance with the criteria of the European Community Commission.

Those who need more detailed information may contact URSA Italy (Address on the first page of this card).

The information provided in this document is updated to the state of our knowledge to August 1st 2016 and is in good faith.

The user is responsible to assess the risks that may occur when the product is used for any applications that may be different from the ones it was designed for.
