


Article code	PMX04, PMX12, PMX60
Article name	Picoceramix ceramic microspheres
Weight	
Volume	
Packaging	
Package weight	

Field of application

Blend of hollow ceramic microspheres with nanotechnology coating, non-toxic
 Product used as a lightweight building additive
 Professional uses
 Industrial uses

Methods of use

<p>Watch the video for the correct mixing of the product.</p>	 www.nanoceramix.com
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Recommended dosage: 80 grams of product per 1 litre of undiluted paint

Precautions for use

The product is inert, inorganic and non-toxic.
 Handle with care. Avoid inhaling dust. Avoid direct contact with eyes, skin and clothing.
 Wash thoroughly after handling. During work, do not eat, drink or smoke. No hazardous decomposition products.

Classification and labelling

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP):

This product is not classified as hazardous.

This product does not meet the criteria for classification in any hazard class in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. However, it is supplied with a safety data sheet on request, as it contains a component for which there is an EU workplace exposure limit.

Labelling according to Regulation (EC) No. 1272/2008 (CLP):

This product is not labelled as hazardous.

P260: Do not breathe dust / fume / gas / mist / vapours / spray.

P262: Do not get in eyes, on skin, or on clothing.

Chemical-physical properties

Physical and chemical properties	Value
Physical state	Powder solid
Average particle size	25 µm
Thickness of insulation coating	60 µm (no. 2 coats of product)
Colour	Dark white
Odour	None
pH	Not determined
Melting point	1600 °C
Flammability (solids, gases)	Non-flammable
Vapour density	Not determined
Relative density	0,39 ± 0,1 g/cm ³ 20 °C
Humidity	1,3 ± 0,3 %
Solubility	Insoluble in water
Oxidising properties	Non-oxidising
Compressive strength	7000 psi (for 98%)
Hardness (Mohs scale)	5
Thermal conductivity	0.101 W/mK
Emissivity	0,62 W/m ²
Refractive index	1,53
Surface (or liminal) resistance of the inner wall treated with two coats of product	0.1655m ² K/W (Certimac certification)
Surface (or liminal) resistance of the external wall treated with two coats of product	0.0425m ² K/W (Certimac certification)

Technical Datasheet

Paint for [interior/exterior] ... [paint characteristics] ... containing hollow, inert, non-carcinogenic ceramic microspheres with a heat-reflecting nanotechnology coating and characterised by a titanium dioxide component of not less than 0.35 % such as PicoceramiX or similar.

These microspheres must have an emissivity of less than 0.65W/m², an average grain size of 25 µm, Green Building Council manufacturer certification, and thermal conductivity of no more than 0.11 W/mK.

The particles will be mixed into the paint in the recommended proportions, fully observing both the instructions for use for the spheres and those for the paint.

Storage, Disposal and Transport

Do not reuse empty containers. Dispose of them in accordance with current regulations. Any product residues must be disposed of according to good working practice, avoiding dispersal in the environment.

Do not discharge into sewers, drains or watercourses.

Comply with current legislation on the protection of water and soil from pollution (Legislative Decree No. 152 of 3/4/2006).

Dispose of used product and containers using authorised companies, in accordance with the provisions of Legislative Decree No. 152/2006 as amended.

Depending on the specific use and disposal characteristics of the user, different EWC codes may be assigned (2008/98/EC).

Recover if possible. Send to authorised disposal plants or for incineration under controlled conditions. Operate in accordance with current local and national regulations.

Not covered by EU directives and Italian legislation concerning the inland transport of hazardous substances, by road (A.D.R.) by rail (R.I.D.), by sea (I.M.D.G.).