TECHNICAL DATA – DIRECTIVE OF VOCs

DIRECTIVE 2004/42/EC

REGULATORY

Vocs content in CimentArt products

Directive 2004/42/EC of the European Parliament and of the council of 21 April 21, 2004

Royal Decree 227/2006 of February 2006

Respect for the environment

CIMENTART®
MICROCEMENT

ECO TECHNOLOGY CIMENTART MICROCEMENT

Compromise for the environment

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WHAT IS VOCs?

VOC stands for Volatile Organic Compounds.

Organic compounds are chemical substances that contain carbon and are found in all living elements. These compounds, when they evaporate, release gases that enter the atmosphere and directly attack the ozone layer.

The gases emitted into the atmosphere are not only caused by the smoke of automobile engines or the burning of fuels, wood, oil, etc. Other products such as varnishes, cement, paints, insecticides, etc., also release gases into the atmosphere, which, depending on the quantity, can be harmful or not.

In 2003 the scientists ruled that these organic compounds emitted into the atmosphere should be regulated in some way to stop the hole that was being made in the ozone layer (protective layer located between 30 and 50 km from the earth's crust of our planet and acting as a filter for ultraviolet radiation (UV-B rays) emitted by the sun, and at the same time it allows the passage of ultraviolet A rays (UVA rays) that are important for the existence of life on Earth.

The European Parliament issued in 2004 the law 2004/42 / EC and was ratified by the European Council on April 21, 2004 to regulate these gases emitted into the atmosphere.

Two years later, Royal Decree 227/2006 of February 2006 was created with the aim of regularizing, pursuing and limiting at the legislative level the total content of volatile organic compounds of certain paints, varnishes and coatings.

These gases released to the atmosphere are important both from the point of view of the prevention of occupational risks and from the environmental point of view.

According to the aforementioned regulation, the technical definition of VOCs are the gases generated by a product that has an initial boiling point equal to or lower than 250ºC and a pressure of 101.2 kPa., (Virtually all the solvents used for the making paints are in this range).

All CimentArt products are water based (BA), being completely out of these ranges.

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CONTENT IN VOCs OF PRODUCTS CimentArt

	Fase II [g/l (*)] (a partir del 1.1.2010)
Primer	***11***
Microcement Base +Resin	***16***
Microcement Fino + Resin	***16***
Acrílic Sealer	***20***
Metallic Sealer	***26***
Solid Color Sealer	***12***
Poliurethane bi-component glossy	***42***
Poliurethane bi-component Satin	***39***
Poliurethane bi-component Mat	***33***
Microconcrete	***19***
Aqua Quartz	***19***
Aqua Base	***19***
Aqua Stone	***16***
Aqua Nature	***16***

Datos Generales de todos los productos

Chlorides	***Exempt***
Epoxídes	***Exempt***
Solvents	***Exempt***
Infamation Point	***Not flammable. Water Base BII***
Resistance to fire	***Fireproof - Euroclases BFL S1***
Transport	***Materials considered non-hazardous***
Storage	***Materials considered non-hazardous***

CIMENTART MICROCEMENT SLOur systems are based on the research carried out in our laboratories and years of practical experience and data provided by suppliers.
We guarantee that our products are manufactured, packaged and labeled under the guidelines of ISO 9001: 2008.
These data are supplied by our raw material suppliers. We disclaim any liability if the exposed data does not correspond to reality due to factors beyond our control.
The end user must check that the product supplied meets the needs for which it is going to be used, and must carry out a preliminary test in each case that is necessary.
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The present edition of this technical sheet cancels the previous ones.

RESPONSIBLE CARE
El Compromiso de la Industria Química con el Desarrollo Sostenible