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NEW



**DRYFIT<sup>®</sup>**  
**SYSTEMA**

THE **BEST PERFORMING** RENOVATING SOLUTION



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2018

# What is DRYFIT<sup>®</sup> SYSTEMA

**DRYFIT<sup>®</sup> SYSTEMA** is the first renovating system based on nano-composite thermal-insulating plasters with low density and high mechanical resistances. It has been designed for wet masonries attacked by rising damp.

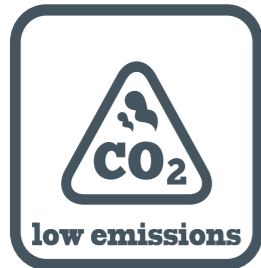
**DRYFIT<sup>®</sup> SYSTEMA** is the product of the TRI srl experimental research in cooperation with the research laboratories of Chemistry for Technologies (Chem4Tech) at University of Brescia, Engineering Department.

**DRYFIT<sup>®</sup> SYSTEMA** is composed by two nano-composite materials: **DRYFIT<sup>®</sup> rinzaffo** based on Alumina and nano-binders, and **DRYFIT<sup>®</sup> arriccio** made with cellular glass and unconventional hydraulic binders.

The contribution of over 17 years of experience in the renovation and Cultural Heritage restoration market and through scientific results which redefined the deterioration resistance with **DRYNEK<sup>®</sup>** (the first plaster specific for wet masonries based on Alumina and nano-binders), TRI srl is proud to introduce to the market **DRYFIT<sup>®</sup> SYSTEMA**, which puts together a restoring system, the highest thermal insulation and eco-compatibility, the whole thing with a particularly contained cost.

**DRYFIT<sup>®</sup> SYSTEMA** is Portland cement free and it is developed to match a perfect compatibility with any kind of masonry. For these reasons it is indicated for the renovation of historical masonries even under commitment of Cultural Heritage Superintendence.

The astonishing technical results are even more reliable due to the easiest application using automatic plaster pumping machines.



## Benefits

- **Lowest capillarity water absorption**
- Using **DRYFIT<sup>®</sup> rinzaffo** as protective under-layer the restoring cycle has also a strengthen behavior, indicated for low-mechanical resistance and low-cohesive masonries.
- Highest **thermal insulation** level of the market.
- The usage of recycled raw materials (cellular glass) and to innovative binders with the lowest CO<sub>2</sub> emission in atmosphere, **DRYFIT<sup>®</sup> SYSTEMA** is an ecological product and respect the environment
- Fire resistant - Class A1.
- **Easy to apply** both by hand and with plastering machines.
- **It can be used in Historical Heritages** under commitment of Cultural Heritage Superintendences thanks to the absence of Portland Cement, the presence of natural hydraulic limestone and the reversibility of the intervention.
- **Strongest resistance under chemical and physical deterioration.** **DRYFIT<sup>®</sup> SYSTEMA** was born from the knowledge developed with **DRYNEK<sup>®</sup>**, the product with the highest deterioration resistance on the market (washing away, aerosol, freezing-thaw, salt attack, acid and bacteria attack).
- **Contained costs** for a revolutionary product born from Italian research



## Standards

UNI-EN 1015-11:2007

UNI-EN 1015-10:2007

UNI-EN 12390-13:2013

UNI-EN 15801:2010

UNI-EN 7699:2005

UNI-EN 1745:2012

UNI-EN 1015-6:2001

CE 998-1

UNI-EN 1015-18:2004

UNI-EN 1015-12:2002

UNI-EN 12664:2002

Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar

Methods of test for mortar for masonry - Part 10: Determination of dry bulk density of hardened mortar

Testing hardened concrete - Part 13: Determination of secant modulus of elasticity in compression

Conservation of cultural property - Test methods - Determination of water absorption by capillarity

Testing hardened concrete - Determination of water absorption at atmospheric pressure

Masonry and masonry products - Methods for determining thermal properties

Methods of test for mortar for masonry - Part 6: Determination of bulk density of fresh mortar

Standards for masonry mortars: mortars for inside and outside plasters

Methods of test for mortar for masonry - Determination of water absorption coefficient due to capillary action of hardened mortar

Methods of test for mortar for masonry - Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates

Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance

## Composition

**DRYFIT<sup>®</sup> SYSTEMA** is the renovating system composed by two layers of complementary products:

1. **DRYFIT<sup>®</sup> rinzaffo** underlayer product based on Alumina and nano-binders which protects and strengthens wet masonry walls also under salt and chemical attack
2. **DRYFIT<sup>®</sup> arriccio**: renovating plaster based on cellular glass and nano-binders with high thermal insulating behavior

