



# DRYFIT<sup>®</sup>arriccio

## Technical Data Sheet



### Material

**DRYFIT<sup>®</sup>arriccio** is a renovating and thermal insulating plaster specifically developed for wet walls under capillarity and bacteria attack. This material is composed by cellular glass and nano-binders which give an high eco-compatibility behavior and a high resistance against chemical and physical deterioration. Before using it, apply **DRYFIT<sup>®</sup>rinzaffo** as protective and strengthening under-layer (rough coat)

For further information, please look at the brochure **DRYFIT<sup>®</sup> SYSTEMA** downloadable at [www.trimaterials.com](http://www.trimaterials.com).

### General informations

<b>Granulometry:</b>	0 - 4 mm	
<b>Aspect / Color:</b>	Powder / Grey - brown	
<b>Components:</b>	Cellular glass, limestone, inorganic nano-composites	
<b>Water quantity:</b>	mix it with 60% of H <sub>2</sub> O for 3 minutes	
<b>Binder:</b>	High performance hydraulic binder - no Portland cement - It can be used both internal and external environments	
<b>Packaging:</b>	Comp.A: 12,5 kg paper bag / on 500 kg pallet	
	Comp.B: 12,5 kg paper bag / On 250 kg pallet	
<b>Application:</b>	By hand	By plastering machine
<b>Application temperature:</b>	5 - 35 °C	
<b>Yield:</b>	4,10 Kg/m <sup>2</sup>	Values referred to 1 cm in thickness
<b>Lowest thickness:</b>	2 cm	
<b>Setting time:</b>	45 min.	Values referred to 20°C temperature and 50% of humidity
<b>Hardening time:</b>	< 2,5 hours	

### Application fields

- Internal and external environments plaster developed for renovating wet walls and for thermal insulation
- If environments are very wet, **DRYFIT<sup>®</sup>arriccio** has to be applied only after the implementation of **DRYFIT<sup>®</sup>rinzaffo**. Read Technical and Application Data Sheet of **DRYFIT<sup>®</sup>rinzaffo** for more informations.
- **DRYFIT<sup>®</sup>arriccio** is also used in historical-artistic buildings (Cultural Heritages) such as churches, historical palaces and so on.
- Suitable supports: solid, perforated, new and old brick masonries; proton, stone, mixed and rubble walls; tuff; concrete and steel reinforced concrete by paying attention to process the oxidized rebar before the usage



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	Standard	MU	Value	Notes
Atmosphere pressure water absorption	UNI 7699	[%]	20 (mass); 7,2 (volume)	
Porosity	Laboratory data	[%]	71,2	
Adherence onto support	UNI EN 1015-12	[N/mm <sup>2</sup> ]	0,5	Tested on solid brick and concrete
Capillarity water absorption	UNI EN 998-1		W2	
Flexural strength of hardened mortar	UNI EN 1015-11	[N/mm <sup>2</sup> ]	0,85	
Compressive strength of hardened mortar	UNI EN 1015-11	[N/mm <sup>2</sup> ]	4,95	
Thermal conductivity	UNI EN 12667	[W/mK]	0,079	
Hardening time	UNI EN 1015-9	[hours]	2,5	
Water vapor resistance factor	Laboratory data	[μ]	5	
Density	Laboratory data	[Kg/m <sup>3</sup> ]	410	
Setting time	UNI EN 1015-9	[min]	45	
Fire reaction	UNI EN 998-1		Euroclass A1	
Wet mortar density	UNI EN 1015-10	[Kg/m <sup>3</sup> ]	640-680	
Dry mortar density	UNI EN 1015-10	[Kg/m <sup>3</sup> ]	410-430	

# CE

Delta Phoenix srl, v. XXV Aprile-15,25030 Maclodio (Bs)

## 15 EN 998-1

Renovating mortar (R)

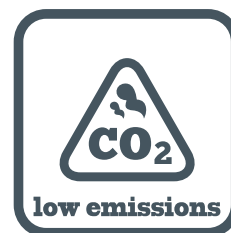
Fire reaction: Class A1

Thermal conductivity (W/mK): T1

Compressive strength: CS II

Water vapour resistance factor (μ): ≤15

Capillarity water absorption: W2



Because of the variation of raw materials used there it should be slight change in the above data. This cannot concern our Company. We can change any specifications to improve material qualities without any preventive communication always in respect of our unconditional evaluation.



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## Application



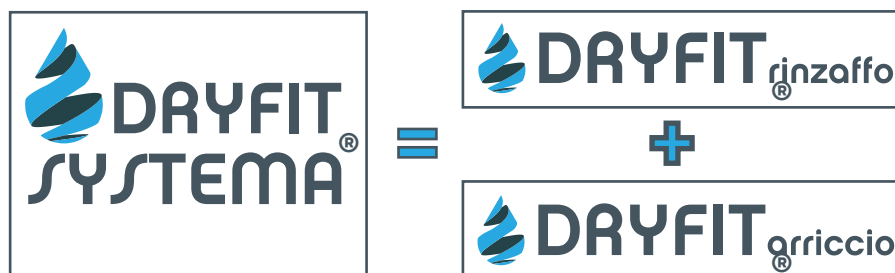
### Essential tools

In addition to classic tools for the application of any civil plaster, the intention is to emphasize the following:

- **DRYFIT<sup>®</sup> arriccio** is a very light material. For this reason it's better to use a concrete mixer to avoid the binder setting
- To use always a normal **scale** with the possibility to weigh 20 kg with 1 kg ratio at least, otherwise use a 10 kg **graded barre** to measure the water.

The accuracy of the water used for the mixture is decisive for the quality of the work.

**CAUTION:** Incorrect percentages of the water make the product inapplicable.



### Preparation of the support

**CAUTION:** **DRYFIT<sup>®</sup> arriccio** is developed to be used as plaster (pointing) onto an under-layer (rough coat) of **DRYFIT<sup>®</sup> rinzaffo**. If **DRYFIT<sup>®</sup> rinzaffo** is not applied, performances under humidity and bacteria attack decrease a lot.

For further informations, please read the Technical and Application Data Sheets of **DRYFIT<sup>®</sup> rinzaffo** and the depliant of **DRYFIT<sup>®</sup> SYSTEMA**, downloadable at [www.trimaterials.com](http://www.trimaterials.com)

The suitable support for **DRYFIT<sup>®</sup> arriccio** is **DRYFIT<sup>®</sup> rinzaffo**.

Before the application of **DRYFIT<sup>®</sup> arriccio** to wet the surface of **DRYFIT<sup>®</sup> rinzaffo** with a wet brush. Do not use too much water, it is not necessary.

Once the support is wet, to apply **DRYFIT<sup>®</sup> arriccio** by hand or with a plastering machine taking care of the first layer. It has to be squashed by hand to optimize adhesion.





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## Implementation

### MATERIAL MIXING

**CAUTION:** to read carefully the PREPARATION OF THE SUPPORT paragraph in the page above

1. To mix one bag of COMP. A and one bag of COMP. B WITHOUT WATER
2. To add 60% of potable water (15 liters every 25 kg of powder)
4. To mix for 3 minutes using concrete mixer
5. To pour material mixed in the concrete mixer or use a trowel

**CAUTION:** to mix DRYFIT<sup>®</sup> arriccio with other products is prohibited (additives, cement,...)

### APPLICATION

The hydration time is strictly dependent by the environmental humidity and temperature and they can vary significantly

Under high environmental temperature and fast wind it's necessary to wet the material surface 2 - 3 times per day for 2 - 3 days after the application

With environmental temperature over 28 °C to dunk the plaster every two hours to avoid cracks

#### BY HAND

Apply by trowel or square trowel the first layer of DRYFIT<sup>®</sup> arriccio (0,5 - 1 cm) squashing the material to increase the adhesion

Wait at least 30 minutes before the application of the second layer and, however, until the first layer starts to harden (from 30 to 50 minutes depending environmental temperature and humidity)

Apply the subsequent layers with a maximum thickness of 2,5 cm per layer

Once the 5 cm thickness is reached, a plastic net for plasters is recommended to avoid cracks during hardening

#### BY PLASTERING MACHINE

DRYFIT<sup>®</sup> arriccio can be applied with plastering machines for light pre-mixed materials. The machine set up depends on the machine model

Do NOT use plastering machines with the combined mixer. To pour the material inside the plastering machine after the water mixing (with a concrete mixer or by hand)

Apply DRYFIT<sup>®</sup> arriccio from the short to the high with 1 cm maximum thickness

Apply the subsequent layers after the hardening of the previous ones (30-50 min. depending environmental temp. and humidity) with 2,5 cm thickness max

## Compatibility

DRYFIT<sup>®</sup> arriccio is compatible with finishings made with limestone, cement, gypsum. The usage of gypsum in humid environments is not recommended.

DRYFIT<sup>®</sup> arriccio is compatible with paintings made with limestone, silicates, siloxane

**CAUTION:** To verify the compatibility with the producer of the finishing chosen

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