



# SPIDY 15

## PRODUCT DESCRIPTION

SPIDY 15 is a pre-mixed quick-setting cement-based mortar for quick repair jobs on reinforced concrete and cement-based surfaces in general.



## PRODUCT APPLICATION

- Quick preparation for waterproofing jobs (for example on reinforcing fillets, to plaster formwork spacers)
- To rapidly repair deteriorated concrete structures (e.g. edges of beams, columns and balcony bands)
- Fastening of railings and traps
- To rapidly repair superficial concrete casting defects (such as gravel nests, protruding bars and chipped parts)
- To rapidly position counter-frames, door and window frames and electrical systems

## ADVANTAGES

- Good finish results
- High adhesion to concrete and reinforcement bars
- Rapid-setting also on surfaces and in particularly damp environments
- Excellent thixotropy that does not require the use of formwork
- Easy and quick application

**PREPARATION AND APPLICATION** The preparation and installation data refer to normal environmental conditions (temperature +20 °C; relative humidity 60%).

### Preparing the surfaces

Perfect adhesion of the product to the surface, which is absolutely necessary to ensure repair resistance, depends on the quality of the surface preparation on which the mortar is to be applied. Therefore, the following steps must be carried out in advance:

- Carefully remove all deteriorated parts by sand-blasting or bush-hammering
- Roughen the surface, removing any film or cement slurry
- Clean each exposed reinforcement bar from rust and apply protective SANOFER (see relative data sheet) by brush on the cleaned bars
- Thoroughly soak the surfaces with water, keeping them damp from when the application process begins

### Preparing the mixture

Pour the mixing water into a container (approx. 2.5 l per bag equivalent to 16% in weight) and slowly add



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the powder, mixing it with a drill-mixer for about 3 minutes, until a fluid and smooth mixture is obtained.

### Application

Apply SPIDY 15 in layers not exceeding 3 cm; wait at least 20 minutes between one layer and another when thicker layers are applied.



References available at [www.volteco.com](http://www.volteco.com)

### CONSUMPTION AND YIELD

19 kg/m<sup>2</sup> per centimetre of applied thickness.  
A bag of SPIDY 15 yields about 8 l of mortar.

### PACKAGING AND STORAGE

15 kg bags.  
The products must be stored in a dry place protected from sun and humidity.  
SPIDY 15 in the original packaging has a storage time of 18 months

### WARNINGS - IMPORTANT NOTES

The product must be used within 15 minutes after mixing.  
Do not add water to extend the pot life.  
Do not use SPIDY 15 on areas larger than 2 m<sup>2</sup>.  
Do not apply the product at temperatures below +5 °C.  
In the presence of a high temperature or wind, keep the surface damp so as to guarantee a proper curing process.

### PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values
Appearance	grey powder
Shrinkage	controlled
Specific weight	< 2.2 kg/l
Parameters subject to company Quality Control	Values
Workability time at +20 °C	< 15'
Bond strength a 28 gg	> 1.5 N/mm <sup>2</sup> (UNI EN 1542)
Compressive strength	
after 3 h	> 5 N/mm <sup>2</sup> (UNI EN 196)
after 1 day	> 18 N/mm <sup>2</sup> (UNI EN 196)
after 7 days	> 30 N/mm <sup>2</sup> (UNI EN 196)
after 28 days	> 35 N/mm <sup>2</sup> (UNI EN 196)
Flexural strength	
after 3 h	> 1 N/mm <sup>2</sup> (UNI EN 196)
after 1 day	> 3 N/mm <sup>2</sup> (UNI EN 196)
after 7 days	> 4 N/mm <sup>2</sup> (UNI EN 196)
after 28 days	> 5.5 N/mm <sup>2</sup> (UNI EN 196)

The quoted data are obtained in a laboratory at +20 °C and 60% RH.

### SAFETY

Refer to the related Safety Data Sheet.

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## LEGAL NOTES

Note for buyer/installer:

This document prepared by Volteco S.p.A. is provided as an aid and guideline for the buyer/installer. This does not take into consideration the details of each single operational context, for which Volteco S.p.A. will not be held liable.

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It may vary and the installer is therefore required to update his/her information prior to each application by referring to [www.volteco.com](http://www.volteco.com).

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