

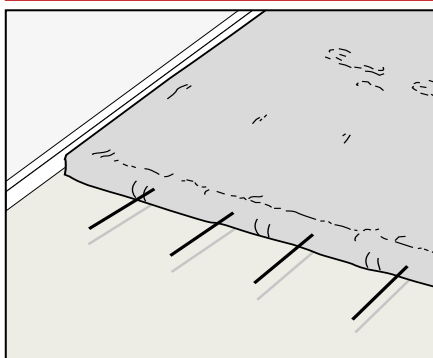
# DRYCEM PRONTO

READY-TO-USE ULTRA-FAST DRYING SCREED  
WITH COMPENSATED SHRINKAGE

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
	ECO GREEN	RECYCLABLE	STORAGE: IN A DRY PLACE
		MIX MECHANICALLY	

## MAKE QUICK DRYING SCREEDS, PARTICULARLY SUITABLE FOR LAYING WOOD WITHOUT LONG WAITING TIMES



Time has the biggest impact on the cost of building work. Any time gained during the installation of floors depends on the curing time of the screed substrate.

## Description

**DRYCEM PRONTO** is a premixed product made of special binders which, once mixed with water gives a very quick drying screed. If used in the correct mix proportions, the residual humidity after 48 hours will be 2%. The special formulation of **DRYCEM PRONTO** causes the water in the mix to bind very quickly. **DRYCEM PRONTO** does not give rise to problems of cracking due to shrinkage and provides very high mechanical strength.



## Application Fields

**DRYCEM PRONTO** can be used to cast screeds on old or new slabs, whether floating or adherent, to allow the immediate installation of any wood, ceramic, carpet or linoleum flooring, etc. With **DRYCEM PRONTO**, you can create screeds that can be walked on after just a few hours; rapid repairs can be made on the substrate followed by application of the flooring without the problem of interruption in use for traffic. The product can also be used to construct screeds with enclosed underfloor heating coils.

## Advantages

- Rapid drying which makes it possible to walk on the screed or lay flooring soon after casting.
- Shrink-proof so there are no problems with cracking.
- Savings in time and money compared to traditional solutions due to quick application and the high workability of the product which allows the screed to be nearly completely dry in just 2 days.

## Method of use

**DRYCEM PRONTO** can be used to cast screeds on all kinds of substrates. In the event of rising damp, insert a suitable waterproofing layer.

### • FLOATING SCREEDS

To separate the screed lay a PE insulating sheet on the slab which will act as a barrier against any rising damp (1). The sheets must overlap by at least 20 cm and be sealed with tape. The waterproofing sheet must be installed along the perimeter walls of the rooms, with compressible material in between, such as FONOCCELL ROLL, so as to create perimeter joints.

### • ADHERENT SCREEDS

For irregular substrates with screeds that have a variable thickness or that are less than 40 mm thick, it is recommended to reinforce the middle of the screed with a 2 mm  $\varnothing$  electro-welded metal mesh (mesh size 50x50mm) anchored onto the substrate. To improve adhesion to the surface apply mortar made with 3 parts **DRY-**

**CEM PRONTO** and 1 part water-based latex, such as LATISINT, and 1 part water, onto which the screed can be applied "fresh over fresh"

### • MIX PREPARATION

Mix **DRYCEM PRONTO** with 9% clean water to plastic consistency using normal site equipment (cement mixer, screw mixers, automatic pressure pumps) (2). A 25 kg bag of **DRYCEM PRONTO** may be mixed with approximately 2.2 litres of water. Mix the mixture carefully for a maximum of about 3 minutes.

The mix should be plastic and highly workable.

Too little water (like the earth moist consistency) reduces the mechanical resistance and too much

water increases shrinkage and drying times.

(See following)



# TECHNICAL CHARACTERISTICS

	Standard	DRYCEM PRONTO
Appearance		Powder
Colour		Grey
Apparent volume mass		~ 3.15 mm
Water mix ratio		9% ± 1%
Storage in original packaging in a dry place		12 months
<b>Mix properties and workability</b>	<b>Standard</b>	
Volume mass of the mix	<b>EN 1015-6</b>	~ 2200 kg/m <sup>3</sup>
Application temperature		+5°C ÷ +35°C
Minimum application thickness over systems	<b>UNI 11493</b>	≥3 cm
Minimum application thickness for adherent screeds	<b>UNI 11493</b>	≥2 cm
Minimum application thickness for floating screeds	<b>UNI 11493</b>	≥4 cm
Maximum application thickness		10 cm
Waiting time - before foot traffic (*)		4 hours
Waiting time - for flooring (*)		8 hours
Waiting time - for wooden flooring (*)		3 days
Waiting time - for the start-up of heated floors systems (*)		3 days
<b>Performance characteristics</b>	<b>Standard</b>	<b>Product performance</b>
<b>Class and type</b>	<b>EN 13813</b>	<b>CT-C30-F5</b>
<b>Compression strength</b>	<b>EN 13892-2</b>	≥30 N/mm <sup>2</sup>
<b>Bending strength</b>	<b>EN 13892-2</b>	≥5.0 N/mm <sup>2</sup>
Thermal conductivity λ <sub>10,dry</sub>	<b>EN 10456</b>	1.65 W/mK (printout value)
Thermal resistance - Working temperature		-30°C ÷ +90°C
<b>Fire reaction</b>	<b>EN 13501-1</b>	A1
<b>Hazardous substances</b>	<b>EN 13813</b>	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.

(\*) The times indicated will be longer or shorter as the temperature drops or rises.

Compliant with the general principles defined in EN 13813 and according to Italian standard UNI 11493.

(See previous)

## • APPLICATION

Apply the mix and smooth it down within 30 minutes of preparation (3). In high temperatures, spread out a PVC sheet straight after application so as to prevent the mortar drying too quickly.

Any casts carried out at different times on the screed must be connected by inserting 5 mm diameter iron bars 20 cm apart so as to guarantee perfect continuity.

For **heated floors**, the heating should not be started until at least 5 days after application at a supply temperature comprised between +20°C and +25°C; leave for at least 3 days then set the maximum design temperature and leave for at least 4 days. Let the screed cool to room temperature again (EN 1264-4 point 4.4). It is always recommended to insert a galvanised metal mesh reinforcement with narrow mesh size (2/3 cm) in the area where the pipes run, where the screed thickness may be lower (mini-

mum 3 cm, in accordance with UNI 11493).

## • COVERAGE

The yield is approximately 16 kg/m<sup>2</sup>×cm of thickness.

## • PRECAUTIONS

- Use cold water in summer and water at approximately 20°C in winter.
- Application temperature from +5°C to +35°C.
- Do not mix to earth moist consistency. Mix to semi-plastic consistency.  
Do not add water once the mix starts to set.
- Do not add other additional materials to the mix such as cement, plaster, lime, etc.
- Do not wet the surfaces of the screed.
- In the case of rising damp waterproof before casting.
- Install a vapour barrier even on new slabs to avoid problems with residual humidity.
- Humidity testers that measure electrical conductivity give unreliable results; we rec-

ommend using a more precise carbon hygrometer.

- Do not expose the material to the sun in hot weather.
- Store in original closed packaging in a dry place. Protect against frost or high temperatures.

## Packaging

25-kg Sacks

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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