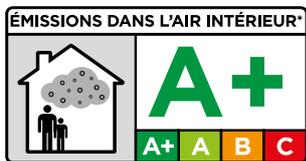


SOLIDONE PRONTO

Ready to use mixture for fast drying screed (4 days*) with controlled shrinkage

- Floating screed walkable in 6 hours* and dry (humidity < 2%) in 4 days*
- Certainty of implementation time
- Simplification of construction site organization
- Applicable also for renovation of old ceramic floors
- Also for industrial environments subject to heavy or intense traffic
- Better workability
- No shrinkage
- EC1: very low emission
- **CE**



TECHNICAL FEATURES: SOLIDONE PRONTO is a high resistance mixture of special cements, synthetic additives and selected aggregates for the preparation of sub-bases exempt from shrinkage classified according to EN 13813, such as CT C30 - F6 A1 fl. Thanks to its composition, mixed at the work site with water, it permits the combining of adherent and floating screed (also heated) up to 8 centimeters in depth, suited to receiving the laying of ceramic tiles after only 24* hours and wooden and resilient floors after only 4* days. Professional use for interior and exteriors.

AREAS OF APPLICATION:

Preparation of mortars of adherent and floating concrete walkable in 6* hours and dry (humidity < 2%) in 4* days. Applicable also for renovation of old ceramic or natural stone floors for industrial environments subject to heavy or intense traffic.

CONTRACT ITEM SPECIFICATIONS: The cementitious screeds will be created with a premixed product, rapid drying and controlled shrinkage, easy for coating with ceramic floors after only 24 hours, classified according to EN 13813 as **CT C30-F6 A1 fl**, as SOLIDONE PRONTO by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

METHOD OF USE:**SUBSTRATES PREPARATION:**

The sub-bases must be mounted and rigid, and invulnerable to elastic oscillations and vibrations of the structure. They must also have completed their shrinkage phase and they must be perfectly dry, clean and free of oils. Avoid the use of sub-bases subject to humidity seeping. The adherent screed must have a minimum depth of 3 cm and a maximum of 8 cm and they require the preventative application of a binding grout prepared by carefully mixing SOLIDONE PRONTO with CEMLATEX 600 in equal parts. On sub-bases in plaster or anhydrite, preventatively apply two coats of BENFERPRIM.

IMPLEMENTATION:

Approximately 6-10 hours after laying the screed, it is walkable and possible to smooth out. The laying of ceramic floors (residual humidity <6%) can be executed after 24* hours, that of marble and stable natural stone (residual humidity <3%) after 48* hours using adhesives from the BENFERFLEX line with normal or rapid setting. For the laying of floors in wood or resilients (residual humidity < 2%) it is necessary to wait 4* days. In all cases it is indispensable to verify the residual humidity level in the screed using a carbide hygrometer before proceeding with the laying of floors. Measurement of the residual humidity level in SOLIDONE PRONTO screed must be performed with a carbide hygrometer in several different sample areas of the screed with a reading after at least 2 minutes from the breaking of the vial. Normal electrical hygrometers do not always provide reliable results in these cases. The electric hygrometer (very suitable for measuring humidity levels in wooden floors) measures humidity in screed by its electric conductivity, and is therefore influenced by many different parameters, such as the presence of metallic netting, tubes, high saline contents, special additives, hygroscopic materials and water that has been chemically semi-transformed into

stable salts, which are not harmful for installation. The same water is also detected by the carbide hygrometer, but only following a waiting period of more than 2 minutes, such as 30 minutes, for example.

**MIXTURE PREPARATION:**

Thoroughly mix one sack of SOLIDONE PRONTO with 1,7 liters of water using an appropriate mechanical mixer for at least 3-4 minutes, until the mixture has a consistency similar to humid soil.

APPLICATION:

The mortar must be used in the 60* minutes after mixing with the same technique as used for traditional screed. Once the leveling borders are prepared the mixture must be applied, compacted, propped and troweled with care. It is very important that the layer of screed applied over any tubes is not inferior to 3 centimeters and that a zinc-coated metallic grill has been placed.

Place dilation joints where necessary (available on request). If it is necessary to interrupt work for more than 24 hours, insert 30 centimeters long reinforcing iron sections approximately every 20-30 centimeters and when work starts again, apply a binding grout on the screed side prepared by mixing SOLIDONE PRONTO with CEMLATEX 600 in equal parts. Avoid application in areas with strong air currents as much as possible, as well as in the presence of freezing temperatures. In industrial environments or those over 3,5 centimeters in depth, immerse an electro-welded network into the screed and place dilation joints where necessary. The floating screed must have a minimum depth of 4 cm and it must be divided using appropriately thick sheets of polyethylene overlapping for at least 30 cm and turned towards the walls for at least 10 cm, thus acting as a steam barrier. In case the screed must house heating elements for hot water, it is necessary that the total depth is at least six centimeters the three centimeters above the tubes. The tubes to be placed in the screed must then be covered with a flexible metallic grill. Always provide for the setting of a perimeter joint in compressible material with a depth of at least 8-10 millimeters to be positioned in correspondence to possible columns.

ADVICE:

- Do not use on sub-bases that are subject to humidity seeping without providing an adequate barrier for the steam.
- Do not apply to sub-bases in gesso or anhydrite without having preventatively applied two coats of BENFERPRIM.
- Do not ever add water to re-mix the mortar when it begins to grip, and dispose of it immediately.
- For the creation of screed with a depth of more than 4 cm, it is always recommended to preventatively apply a layer of polyethylene sheets with a dividing and steam barrier function, as this will improve the quality of the application by impeding humidity seeping from the sub-base.
- Place dilation joints where necessary.
- In all cases it is indispensable to verify the residual humidity level in the screed using a carbide hygrometer before proceeding to the laying of wooden or resilient floors (see implementation).



CLEANING: Use water to clean the tools before the product begins to set.

CONSUMPTION: The consumption of SOLIDONE PRONTO is 14-16 kg/ m² for every centimeter of depth.

PACKAGING: SOLIDONE PRONTO is packaged in poly-coated paper of 25 kg and in pallets of 1000 or 1,500 kg.

STORAGE: In its original closed package in a dry cool place.

SHELF LIFE: 12 months from the date listed on the package.

PRODUCT TECHNICAL DATA

Classification EN 13813:	CT C30 – F6 A1 fl
Consistency:	Premixed powder
Color:	Grey
Storage and Duration:	12 months in the original closed package in a cool dry place
Danger of harm:	Possible irritation of the eyes and skin upon contact
Inflammability:	No
Apparent mass volume:	1500 kg/m ³
Mixture ratio:	1,7 Liters of water per 25 kg bag
Mixing time:	3-5 minutes
Mixture consistency:	Humid soil
Density of paste:	2100 kg/m ³
Application temperature:	From + 5°C to + 35°C
Pot Life:	60 minutes
Max thickness/min:	From 3 to 8 cm
Maximum grain size:	8 mm
Light practicability on dry supports:	Approximately 6 hours
Laying ceramic tiles:	24/36 hours* (subject to residual humidity check <6%)
Laying marble and stable natural stone:	2/3 days* (subject to residual humidity check <3%)
Laying wood and resilient:	4/7 days* (subject to residual humidity check <2%)
Final hardening:	4/7 days*
Final performance:	
Compression strength after 24 hours and 28 hours:	9 N/mm ² , 30 N/mm ²
Flexural strength after 24 hours and 28 hours:	3 N/mm ² , 6 N/mm ²
Temperature resistance:	From -30°C to +90°C
	*at +23°C and 50% relative humidity

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.