

BOLIX SN20



Self-Levelling Cement Mortar (2÷20 mm) class CT-C20-F5-B1,0

PRODUCT DESCRIPTION:

- hand and machine application
- very good self-levelling properties
- suitable for floor heating

USE:

BOLIX SN20 is suitable for interiors as a levelling and smoothing underlayment for cement floor and cement or anhydrite screed with or without underfloor heating. Can be used under flooring such as:

- ceramic and stone tiles,
- fitted carpets, PCV, cork, etc.
- wooden floor (parquet, mosaics), panels

SURFACE PREPARATION:

Underlayment system

The surface must be structurally sound, dry, porous, clean of substances which can cause separation such as dust, grease, bitumen, algae and other barrier materials. Allow new substrates to cure properly:

- | | |
|---------------------|------------------------------|
| - concrete, | min. 3 months, humidity < 4% |
| - cement screeds | min. 28 days, humidity < 4% |
| - anhydrite screeds | humidity ≤ 0.5% |

Weak and loose coatings must be removed (peeling paint coats, blistering or crumbling coating surface, friable material).

Fill gaps and imperfections, for which BOLIX SN20 is not suitable with the mortar BOLIX W. Subfloor repairing should take place at least 2 days before pouring of the self-leveller. Prior to the BOLIX SN20 mortar application, prime the substrate using the deep penetrating primer BOLIX N until surface porosity is eliminated. Repeat if necessary.

Sand any smooth concrete surfaces and anhydrite screeds with coarse sandpaper, remove dust and prime with BOLIX BETOGRUNT.

PRODUCT PREPARATION:

Measure the clean water (4.75 ÷ 5.0 litre) into a suitable vessel/bucket and slowly add the adhesive while mixing using a low-speed drill until a homogeneous consistency is achieved. Make sure that you do not introduce and entrap air into the mixture. After 5 minutes and another stirring, the mixture is ready to use.

The self-levelling compound BOLIX SN20 may be mixed and poured with a pump for self-levelling compounds.

Do not admix, except for water.

APPLICATION:

Pour or pump the mixed material BOLIX SN20 onto the properly prepared primed surface and spread using a stainless steel flat trowel or a gauge rack. Due to fast setting properties and to operate most effectively, use at least two mixing vessels. In the case of 15 min. breaks in machine application or longer, rinse the pump and hoses with water. Use a spike roll or a hard wire brush to remove any entrapped air and to aid the flow of the compound.

Apply over the area to be levelled in one operation.

LIMITATIONS AND RECOMMENDATIONS:

- Plan the surface area to be self-levelled taking into consideration surface type and workforce.
- Low temperature, increased humidity and improper air circulation extend the drying time.
- All expansion and contraction joints must be carried through the self-levelled screed. Contraction joints should also be placed at doorsteps.
- To ensure free movement of the screed, provide the breaks separating it from other building elements such as walls, steps, etc. using an expansion border edging strip.
- Drying time depend on layer thickness, ambient humidity and temperature.
- Protect the fresh screed from too rapid drying attributable to high sunlight exposure, draughts or high temperature.
- Clean tools and hands with running water immediately after application. After drying, difficulties with cleaning may be experienced. Wipe new splashes off soiled surfaces with damp cloth. Once hardened, the material can only be removed mechanically.

PRECAUTIONS:

Due to alkyd reaction of the product, avoid contact with skin and eyes. In case of eye contact, flush eyes with plenty of water and seek medical advice.

TOOLS:

- Construction bucket
- Agitator or low-speed drill (400÷500 rpm) with hoop paddle or pump for self-levelling compounds.
- Stainless steel flat trowel
- Gauge rake and smoother
- Spiked roller

TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions the technical data may vary.

Ambient and surface temperature at application and drying:

from +5°C to +25°C

Relative humidity at application and drying:

up to 80%

Bulk density:

approx. 1.35 g/cm³

Colour:

grey

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Coat thickness range:

2÷20 mm

Workability:

≤ 15 min

Foot traffic:

After min. 6 h

Drying time between the underlayment installation and tiling:

min. 24 h per 1 cm of coat thickness

Drying time between the underlayment and waterproof membrane**BOLIX HYDRO installation:**

min. 14 days

Drying time between the underlayment and timber flooring installation:

in conformity with producer's guidelines

Reaction to fire according to PN-EN 13501-1:class A2_{fl} – s1**Compressive strength according to PN-EN 13813:**

≥ 20 MPa (class C20)

Flexural strength according to PN-EN 13813:

≥ 5 MPa (class F5)

Adhesion strength according to PN-EN 13813:

≥ 1 MPa (class B1.0)

Packaging:

25 kg bag

No. of containers per pallet and net weight:

48 / approx. 1200 kg

Shelf life:

12 months from the date of production provided on the packaging

NOMINAL COVERAGE:**approx. 1.6 kg / m² / 1 mm of thickness.**

Coverage will vary with the surface levelling and thickness of the underlayment. To determine precise coverage perform a test patch on the substrate.

STORAGE:

Store in intact containers in temp. between +5°C and +25°C. Protect from damp. Store away from the reach of children.

COMPOSITION:

It is a mixture of hydraulic binders, polymers, fine mineral fillers and modifiers.

BOLIX S.A. guarantees product quality but has no control over its application and use. BOLIX takes no responsibility for contractors' and distributors' performance. The information supplied herein is given in good faith based on our current knowledge and latest application methods. The information provided cannot replace designer's and contractor's expertise and does not dismiss anyone from observing good practice and the OHS regulations. Should you have any further queries, carry out necessary tests or contact BOLIX Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.

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