



NIVELCEM PLUS

Smoothing and Levelling Compound

Cement based self-levelling compound.

Inside usespecially designed to produce a smooth, flat surface when applied to hard, rigid sub-floors such as cement and sand screeds, concrete, etc.

Thickness of application between 3 and 15mm.

Rapid hardening - walkable in 2-3 hours.

Can be applied by trowel or pump.

Certified acc. EN 13813: CT-C20-F7.



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ISO 9001 Certified Company.

NIVELCEM PLUS

Smoothing and Levelling Compound

Use:

NIVELCEM PLUS will level and smooth in a single application uneven internal sub-floors such as concrete, cement/ sand screed, quarry tiles, etc., up to a maximum thickness of 15mm, prior to the installation of floorcoverings.

Self-levelling. Can be applied by trowel or pump.

For internal use only.

Description:

NIVELCEM PLUS contains high quality synthetic resins, special cements and selected fillers so that, when mixed with water, a fluid easily trowelled mortar with free-flowing properties is produced.

The applied NIVELCEM PLUS dries to a virtually tension-free layer and can receive floorcoverings such as vinyl, linoleum, carpet, tiles... etc.

Can be worked during 15 minutes and it's walkable after 3 hours.

Substrate preparation:

The surface must be hard, sound and free of dust, dirt and other barrier materials such as grease, paint, water-softenable adhesive residues or loosely adhered materials, etc.

All porous substrates must be primed with ARDEX P 51 primer, diluted 1:3 and 1:1 with water prior applying NIVELCEM PLUS. In very smooth, dense and non-absorbent sub-floors it may be necessary to use ARDEX P 82 or ARDEX P4 primer to ensure adequate adhesion of the subsequently applied NIVELCEM PLUS.

Application:

Pour the required amount of clean water in a clean mixing container add the powder whilst stirring thoroughly until a lump free mortar is produced, approximately 4-4,25 litres of water per 25kg bag.

Pour the mixed NIVELCEM PLUS mortar onto the prepared sub-floor and use a steel finishing trowel or float to spread the mortar and finish off. The mixed mortar will flow out and self-smooth within 15 minutes.

A layer of NIVELCEM PLUS will be walkable after approximately 3 hours at 18-20°C, this time is extended at lower and reduced at higher temperatures. This time is also reduced where thinner applications are applied to absorbent sub-floors. To use its free-flowing properties the minimum application thickness should be greater than 3 mm. This minimum thickness should also be used on non-absorbent sub-floors where an absorbent layer is required by the floorcovering adhesive.

Recommendations:

The layer of NIVELCEM PLUS is ready to receive floorcoverings within 24 hours at 20°C. Prior to application of moisture sensitive floorcoverings the residual moisture of the applied NIVELCEM PLUS must be checked.

Where the applied mortar is subjected to rapid drying conditions or where the installation of the floorcovering is delayed for longer than 48 hours, the surface should be covered to provide temporary protection against surface damage and contamination.

Apply at temperatures above 5°C and under 30°C.

NIVELCEM PLUS is not suitable to be used in external or permanently wet areas.

Precautions:

Contains cement, alkaline reaction, therefore, avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children. For further information, consult the relevant health and safety data sheet.

GISCODE ZP 1 = product contains cement, low chromate content.

Technical data

(based on test carried out in our laboratory in accordance with current regulations)

Mixing ratio:	Approx. 4-4 ¼ L. of water: 25 kg. of powder.
Bulk density:	Approx. 1,7 kg./L.
Fresh mortar density:	Approx. 2,2 kg./L.
Consumption:	Approx. 1,8 kg powder/m ² .mm.
Workability (20°C)	Approx. 15 min.
Walkability (20°C)	Approx. 180 min.
Compressive strength	Approx. 25 N/ mm ² .
Tensile bending strength	Approx. 7,5 N/ mm ² .
Suitable under heated floor	Yes.
Packaging:	Bags of 25 kg nett.
Storage:	can be stored for approx. 12 month in dry rooms in originally sealed packaging.



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EN 13813:2002
NIVELCEM PLUS
Self Levelling Compound
EN 13813:CT-C20F7

Compressive strength:	≥ 20 N/mm ²
Flexural strength:	≥ 7 N/mm ²
Abrasion resistance according to Böhme:	NPD
Tensile adhesion strength:	NPD
pH value:	NPD
Reaction to fire:	E

Ardex guarantees the quality of its products. The recommendations for application presented are based on trials and practical experience. We will not held liable for dosage and applications not conforming these recommendations.

For any queries or doubts about the product, please contact our Technical Department.

This datasheet will be valid until a new edition is issued.

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