

ARGONIV 420 ELITE

Self-levelling, fast drying paste for medium and thick layers



ARGONIV 420 ELITE is a self-levelling mortar based on hydraulic binders, selected aggregates, polymers and chemical additives which give it extraordinary pumping and levelling properties as well as excellent mechanical properties at short times and a surface finish suitable for aesthetic requirements.

Presentation

- Weight (kg): 25
- Yield (kg/m²): 18
- Performance in mm thickness (kg/m²): 1,8
- Appearance: Powder
- Colour: Grey
- Product code: 350022

Technical Data

Concept	Value	Standard
Capillary Absorption (kg/m ² h ^{0.5})	W2	-
Mixing water (%)	17 - 18	-
Fresh flow characteristics (mm)	≤ 135	-
Classification according to UNE EN 13813	CT C40 F11	-
Thermal conductivity declared (W/mK)	1	-
Bulk density (kg/L) ~ Value	1,50 ± 0,16	-
Fresh mass density (kg/L) ~ Value	1,80 ± 0,16	-

Concept	Value	Standard
Maximum thickness (mm)	80	-
Minimum thickness (mm)	20	-
Grain size range (mm) ~ value	0/4	-
Water vapour permeability (μ)	Clase I	-
Reaction to fire	A1	-
Compacting resistance 5 hours (N/mm ²)	≥ 8	-
Compacting resistance 24 hours (N/mm ²)	≥ 15	-
Compacting resistance 7 days (N/mm ²)	≥ 11	-
Compacting resistance 28 days (N/mm ²)	≥ 40	-
Retraction at 28 days (mm/m)	$\leq 0,1$	-
Hazardous substances	Ver HS	-
Workability (min)	30	-
Trafficability (hours)	5	-

Scope

- Suitable for underfloor heating.
- Levelling of average thicknesses in interior floors in new construction and renovation.

Advantages & Benefits

- Exceptional ability to self-level.
- Suitable for underfloor heating.
- Suitable for aesthetic requirements.
- Low dynamic stress.
- High mechanical performance.
- Fast hardening without cracking.
- Thicknesses ≥ 20 mm.
- Dampness less than 3% after 48 hours.
- No segregation (great robustness in the face of differences in the amounts of water).
- Surface suitable for covering with carpet, ceramic, paint, etc.
- Accessible at 5 hours.

Descriptive Memory

The leveling of interior floors with a minimum thickness of 20 mm will be carried out with the dry mortar

ARGONIV® 420 ÉLITE from the company DANOSA, class CT C30 F10 according to the standard UNE EN 13813:2003. The application support must be healthy, clean, completely hardened and must have finished its time of dimensional change. Work joints must be respected.

Support

- Suitable for IMPACTODAN® system.
- Slabs with anti-impact or acoustic membrane.
- Concrete floors.
- Mortar floors.
- Cement-based substrates.

Substrate preparation

- Before mechanical preparation, varnish residues, waxes, grease, oil and similar pollutants must be removed.
- The substrate shall be dry, clean, compact, free of dust and separating agents.
- Contaminated concrete surfaces shall be mechanically treated, either by sanding, diamond grinding, shot blasting or sandblasting, followed by vacuuming.
- For more information, consult the Technical Department.

Instruction for Use

- Knead ARGONIV 420 ELITE with 4.5 L of clean water per 25 kg bag, preferably by mechanical means, until a homogeneous, creamy and lump-free mixture is obtained.
- Pour the mixture onto the substrate until the required thickness is reached.
- Pass a horizontal bar to vibrate the material in order to allow the air trapped in the mortar to escape and to complete the levelling process.
- Sand the surface and vacuum before the final coating if necessary.

Warning

- The ideal temperature range for the application of the product is between 15°C and 25°C, with a relative dampness between 60 - 75%.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Do not apply on paving with permanent dampness.
- Do not apply below 5°C or above 30°C.
- Do not apply on plaster supports.
- Do not apply to plastic, metal, wood, rubber, etc. surfaces.
- Protect the cool surface from direct sun, rain and especially draughts.
- On IMPACTODAN® 5 and 10 mm and > 40 mm.
- On very porous substrates prime with DANOPRIMER® RPU.
- On low porous substrates prime with DANOPRIMER® EP.

Handling, storage and preservation

- It is packaged in 25 kg multi-leaf paper bags with damp-proof sheets that allow it to be stored for 12 months in its original sealed packaging, safe from dampness.

Cleaning of Work Tools

- Fresh product, with water.
- Dry product, scraping

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**