

## 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

- Appearance: Powder
- Colour: Grey
- Weight (kg): 25
- Yield (kg/m<sup>2</sup>): 18
- Performance in mm thickness (kg/m<sup>2</sup>): 1,8
- Product code: 350022

### Technical Data

Concept	Value	Standard
Capillary Absorption (kg/m <sup>2</sup> h <sup>0.5</sup> )	W2	-
Fresh flow characteristics (mm)	≤ 135	-
Classification according to UNE EN 13813	CT C40 F11	-
Thermal conductivity declared (W/mK)	1	-
Bulk density (kg/L)v ~ Value	1,50 ± 0,16	-
Fresh mass density (kg/L) ~ Value	1,80 ± 0,16	-
Maximum thickness (mm)	80	-

Concept	Value	Standard
Minimum thickness (mm)	20	-
Water vapour permeability (m)	Clase I	-
Reaction to fire	A1	-
Compacting resistance 24 hours (N/mm <sup>2</sup> )	≥ 15	-
Compacting resistance 28 days (N/mm <sup>2</sup> )	≥ 40	-
Compacting resistance 5 hours (N/mm <sup>2</sup> )	≥ 8	-
Compacting resistance 7 days (N/mm <sup>2</sup> )	≥ 11	-
Retraction at 28 days (mm/m)	≤ 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.
- 20 - 80 mm thick.
- 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 levelling of the interior floor with a minimum thickness of 20 mm will be carried out with ARGONIV 420 ELITE dry mortar from the company Argos derived from cement, class CT C30 F7 according to the UNE EN 13813:2002 standard. The substrate must be sound, clean, free of friable parts, completely hardened and have completed its time of dimensional variation. The construction joints shall 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 4.25 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 > 35 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

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