

ARGONIV® 420 ÉLITE

SELF-LEVELING, QUICK-DRYING PASTE FOR MEDIUM AND HIGH THICKNESSES

SELF-LEVELLING
MORTAR



UNE EN 13813
CT C40 F12

25KG

ARGONIV® 420 ÉLITE is a self-leveling mortar based on hydraulic binders, selected aggregates, polymers and chemical additives that give it extraordinary pumping and leveling properties as well as excellent mechanical properties in short times and a surface finishing suitable for aesthetic requirements.

ADVANTAGES

- Fast hardening without cracking.
- No segregation (great strength regarding different amounts of water).
- Low dynamic stress.
- Suitable for aesthetic requirements.
- Trafficable after 5 hours.
- Humidity less than 3% after 48 hours.
- High self-leveling power.
- Thicknesses 20 - 80 mm.
- Surface suitable for covering with carpet, ceramic, paint, etc.
- High mechanical performance.
- Suitable for radiant floor coating.

SUPPORT

- Concrete floor slabs.
- Mortar floor slabs
- Floor slabs with anti-impact or acoustic membrane.
- Other cement-based supports.
- Suitable for IMPACTODAN® system.

USES

- Leveling of thicknesses greater than 20 mm in interior floors in new construction, rehabilitation, and industrial floors.
- Suitable for radiant floors.

PREPARATION OF THE SUPPORT

The support must be dry, clean, compact, free of dust and release agents. Before mechanical preparation, all traces of varnish, waxes, fats, oils and similar contaminant substances must be removed. Contaminated concrete surfaces must be mechanically treated, either by sanding, diamond sanding, blasting, or sandblasting, and then vacuumed.

For more information, consult technical department.

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APPLICATION METHOD

- Mix ARGONIV® 420 ÉLITE con 4.25 L with 4.25 L of clean water per bag of 25 kg, preferably by mechanical means, until a homogeneous, creamy, and lump-free mixture is obtained.
- Pour the mass on the support until reaching the required thickness level.
- Pass a horizontal bar in vibration mode over the material in order to facilitate the exit of the air trapped in the mortar and complete the leveling process.
- Sand and vacuum the surface before the final coating, if necessary.

APPLICATION TEMPERATURE

- Suitable temperature between 15 °C and 25 °C.

PRESENTATION AND CONSERVATION

ARGONIV® 420 ÉLITE is packed in multilayer paper bags of 25 kg with anti-humidity layer that allow its correct conservation during 12 months in its closed original package safe from humidity.

PRECAUTIONS

- Do not apply on plaster supports.
- Do not apply on plastic, metal, wood, rubber, etc. surfaces
- The suitable temperature range for the application of the product is between 15 °C and 25 °C, with a relative humidity between 60 - 75%. Do not apply below 5 °C or above 30 °C.
- Do not apply with risk of frost, rain, strong wind, or direct sunlight.
- Protect the fresh surface from direct sunlight, rain and especially from airflows.
- Do not apply on floors with permanent humidity.
- On low porous substrates prime with DANOPRIMER® EP.
- On very porous substrates prime with DANOPRIMER® RPU.
- Over IMPACTODAN® 5 and 10 mm e > 35 mm.

DESCRIPTION

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 C40 F12 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.

TECHNICAL DATA

Identification and application data	
Appearance	Powder
Colour	Grey
Apparent density	1,50 kg/L
Particle size range	0/4 mm
Mixing water	17 %
Flow characteristics	250 mm
Minimum thickness	20 mm
Maximum thickness	80 mm
Performance	18 kg/m ² and cm of thickness
Workability	30 min
Trafficability	5 hours
Performance data	
Classification according to UNE EN 13813	CT C40 F12
Compression strength 5 hours	≥ 9,0 MPa
Compression strength 24 hours	≥ 20,0 MPa
Compression strength 7 days	≥ 30,0 MPa
Compression strength 28 days	≥ 40,0 MPa
Reaction to fire	F