COMPLIANT WITH EU NORM
UNI EN 13813
CT C30 F5 $A1_{fl}$
SCREEDS AND SCREEDS MATERIAL

NATURE OF THE PRODUCT

Premixed, fast curing and controlled shrinkage screed, for indoor and outdoor application. Applicable on new or old slabs, underfloor heating pipes, concrete, or existing floors. **WINPLAN 370** is specifically formulated for the subsequent laying, with cementitious adhesives, of stone material, ceramic coatings and all waterproofing products of WINKLER range. **WINPLAN 370** is made up of hydraulic binders, mineral fillers and selected aggregates, in perfect granulometric curve, formulated by WINKLER Research & Development laboratories.

USES

Suitable for making both bonded (thicknesses> 1 cm and <3 cm) and unbonded screeds (from 3 to 8 cm). **WINPLAN 370**, can be applied in balconies, terraces, offices, residential environments, floors subject to high pedestrian traffic such as shopping centres, industrial floors. It can be coated with ceramic, resilient materials, natural stones, parquet, wood or any other coating where rapid drying is required. **WINPLAN 370**, is suitable for the creation of radiant floors without adding any additives.

BONDED SCREEDS

With concrete substrate, it will be necessary to apply **ADEGUM LATEX**, as an adhesion promoter, using the "wet on wet" technique.
In case of ceramic, or difficult to wet substrates, we recommend the use of grout made with **ADEGUM LATEX** and **WINPLAN 370** (ratio: 1 of **ADEGUM LATEX** and 4 of **WINPLAN 370**).
Lay the grout evenly on the substrate with a spatula, roller or flat brush forming, a layer of about 5 mm thickness. Apply the screed when the base is still wet.
In case of substrates subject to strong mechanical stresses, use **WINCOLLA** (two-component adhesive grout) as adhesion promoter, instead of **ADEGUM LATEX**, always on wet.

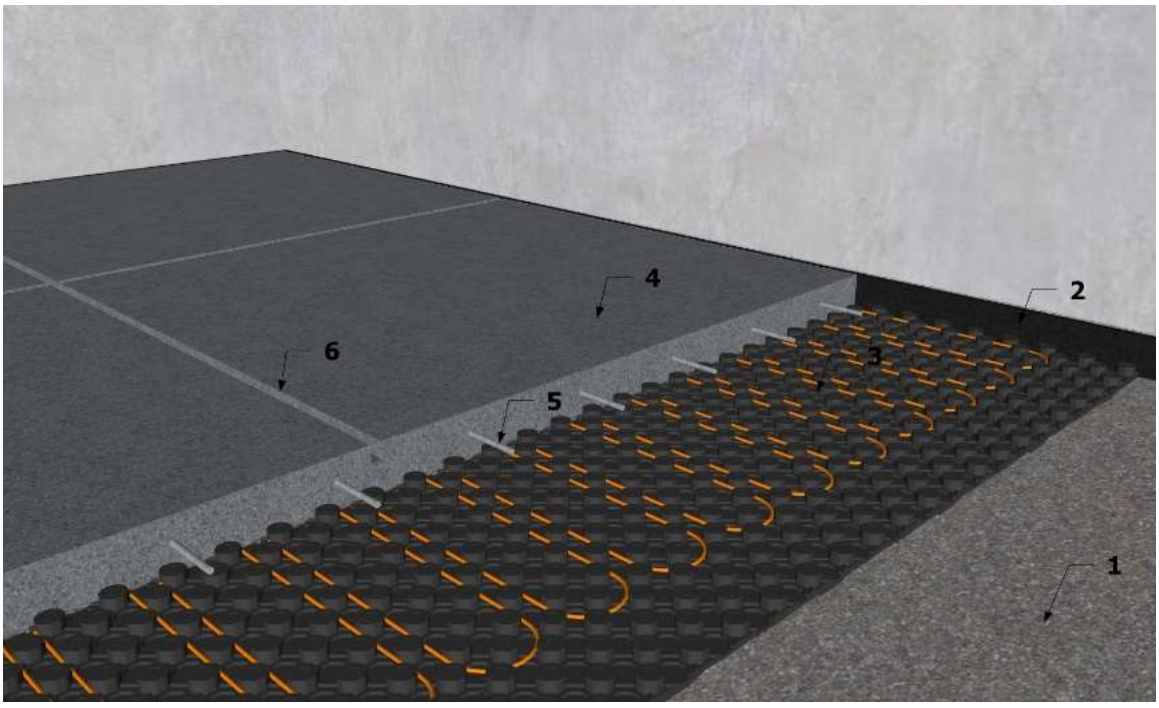
UNBONDED SCREEDS

Create the insulation joint along the entire perimeter and around the pillars (if present), by inserting a band in compressible material of 5-10 mm of thickness, for the entire height of the screed.

Apply **WINPLAN 370** on a sliding layer, made of sheets suitable for the intended use.
They must overlap for at least 15-20 cm and their height must be a few centimeters higher than the one of the compressible band, previously applied.

Install a suitable protective layer on substrates that require a vapor barrier or vapor lock (in compliance with UNI EN 13970), or in case of applications on substrates that require a barrier against rising damp, (in compliance with the UNI EN 13969 standard).

RADIANT FLOORS
A thickness of at least 3 cm above the pipes is recommended. Wait at least 7 days from the laying of **WINPLAN 370**, before turning on the radiant system, as prescribed by the **EN 1264-4** standard.



KEYS:

1. Structural substrate;
2. Compressible perimetral joint;
3. Radiant floor heating;
4. WINPLAN 370, fast-curing screed;
5. Reinforcing bars;
6. Expansion joints.
7.

PARQUET

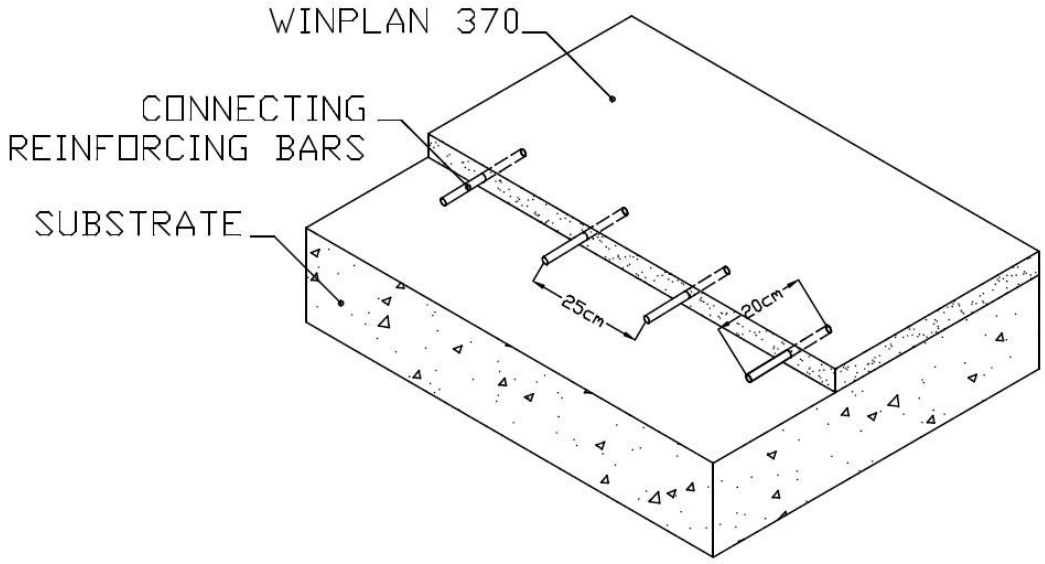
The thickness of **WINPLAN 370** must not be less than 4cm. Before laying the parquet, check with a carbide hygrometer that the residual humidity is <2%. (in compliance with UNI 10329- UNI 11371 and UNI 11515-1 standards).

RECOMMENDATIONS

Do not add cement or additives.
Do not use if the bag is damaged.
Do not add water when the mixture begins to set.
Do not apply on asphalt surfaces or treated with bitumen.

APPLICATION

Prepare the level guides for laying with a level staff.
Mix **WINPLAN 370** (with 2.5 liters of clean water each 25 kg bag), in a glass mixer or a screw mixer, until obtaining a homogeneous and lump-free mix, with a "moist earth" consistency. Lay the mixture, compact it and, for the distribution of loads, with thicknesses from 4 to 8 cm, place a galvanized electro-welded net with 5x5 cm mesh, ø 2 mm, at about half of the thickness. As an alternative, use **FIBER HD** synthetic fibers (0.5% of the total weight), dispersed in the mixture. The goal of reinforcement or fibers is to improve the toughness of the screed and bearing part of the breaking load, after the first cracking occurs. Make the trowel finishing layer within 60 minutes from the laying, until a closed and smooth surface is obtained.
In case of interruption during the installation, insert into the screed (at about half of its thickness) reinforcing rods long about 20 cm (inserted 10 cm into the fresh screed and left free of remaining 10 cm, to allow the next layer to adhere). Their diameter will be 4/6 mm, spaced about 25 cm one from the other (see drawing).



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TECHNICAL SHEET

JOINTS
As regards the design, sizing and construction of the joints, refer to provisions of UNI EN 11493-1. Here follows a rough indication:
Joints are generally made into the screed no later than 48 hours after laying, by cutting to a depth of 1/3 of the total thickness, without cutting nor slicing the welded net. They must divide the surface into square or rectangular meshes.
Dimensions:

- indoor environments: from 5m x 5m to 6m x 4m;
- outdoor environments: from 3m x 3m to 4m x 2.5m.

WARNINGS
Before use, store the product protected from frost and in an environment free from humidity. Mix with fresh and clean water. We recommend applying at temperatures between +5°C and +35°C. Protect it from sun and wind in the first 24 hours from application. Fresh mortar can be removed from the tools used for the preparation and installation with running water. Clean tools mechanically, after hardening.

CONSUMPTION
19-20 kg / m² per cm of thickness.

PACKAGING
25 kg bags

STORAGE
The product, in its original, unbroken packaging, has a stability of 12 months. Store at temperatures between + 5 ° C and + 35 ° C.

SAFETY NORMS

PRECAUTIONS
For information about safety norms, the user must consult the most recent Safety Sheet, edited in conformity with the Norms in force, containing physical, toxicological and other data about the product in use.

ECOLOGY
Do not throw the product and /or empty packs out in the environment. Consult the most recent Safety Sheet for further information about eventual disposals.

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TECHNICAL DATA (average values)

Appearance:	powder
Colour:	grey
Solid content (%)	100
Inerts max. diameter	3mm
Water required (%) per bag (kg 25):	2.5 liters
Density of the mixture	2050 kg/m^3
Mixing time:	5-7 minutes

PERFORMANCE OF THE PRODUCT IN USE (UNI EN 13813)	
Compression resisntance after 24 hours UNI EN 13892-2 (N/mm²)	≥ 5
Compression resisntance after 28 days UNI EN 13892-2 (N/mm²)	≥ 30
Flexion resistance 28 days UNI EN 13892-2 (N/mm²)	≥ 5
Thermal conductivity UNI EN ISO 10456 (average value)	1,45 W/mk

OVERLAP TIME	
Pedestrian traffic	12 h
Cementitious levelling	24 h
Ceramic	24 h
Natural stones	24-48 h
Liquid waterproofing and precasted	3 days
Parquet	5 days