

COMPLIANT WITH EU NORM

UNI EN 13813

CT C30 F5 A1_{fl}

SCREEDS AND SCREEDS
MATERIAL

NATURE OF THE PRODUCT

Special, premixed, fast curing and cement-based screed, formulated to assure a high hydrophobic power, without hindering its breathability to water vapor. **WINPLAN PRO** is particularly suitable for outdoor applications, especially where the weather conditions are not stable. Applicable on new or old slabs, balconies, terraces, heating pipes, concrete.

The product is ready to use, with controlled shrinkage and rapid hydration.

Applicable on new or old slabs, underfloor heating pipes, concrete, or existing floors. **WINPLAN PRO** is specifically formulated for the subsequent laying, with cementitious adhesives, of stone material, ceramic coatings and all waterproofing products of WINKLER range. **WINPLAN PRO** is made up of hydraulic binders, mineral fillers and selected aggregates, in perfect granulometric curve, formulated by WINKLER R & D laboratories.

USES

Suitable for making both bonded (thicknesses > 1 cm and < 3 cm) and unbonded screeds (from 3 to 8 cm). **WINPLAN PRO**, can be applied in balconies, terraces, offices, residential environments, floors subject to high pedestrian traffic such as shopping centres, industrial floors. It can be covered with ceramic, resilient materials, natural stones, wood or any other coating where rapid drying is required.

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 PRO** (ratio: 1 of **ADEGUM LATEX** and 4 of **WINPLAN PRO**).

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.

WINPLANT PRO (bonded)



KEYS:

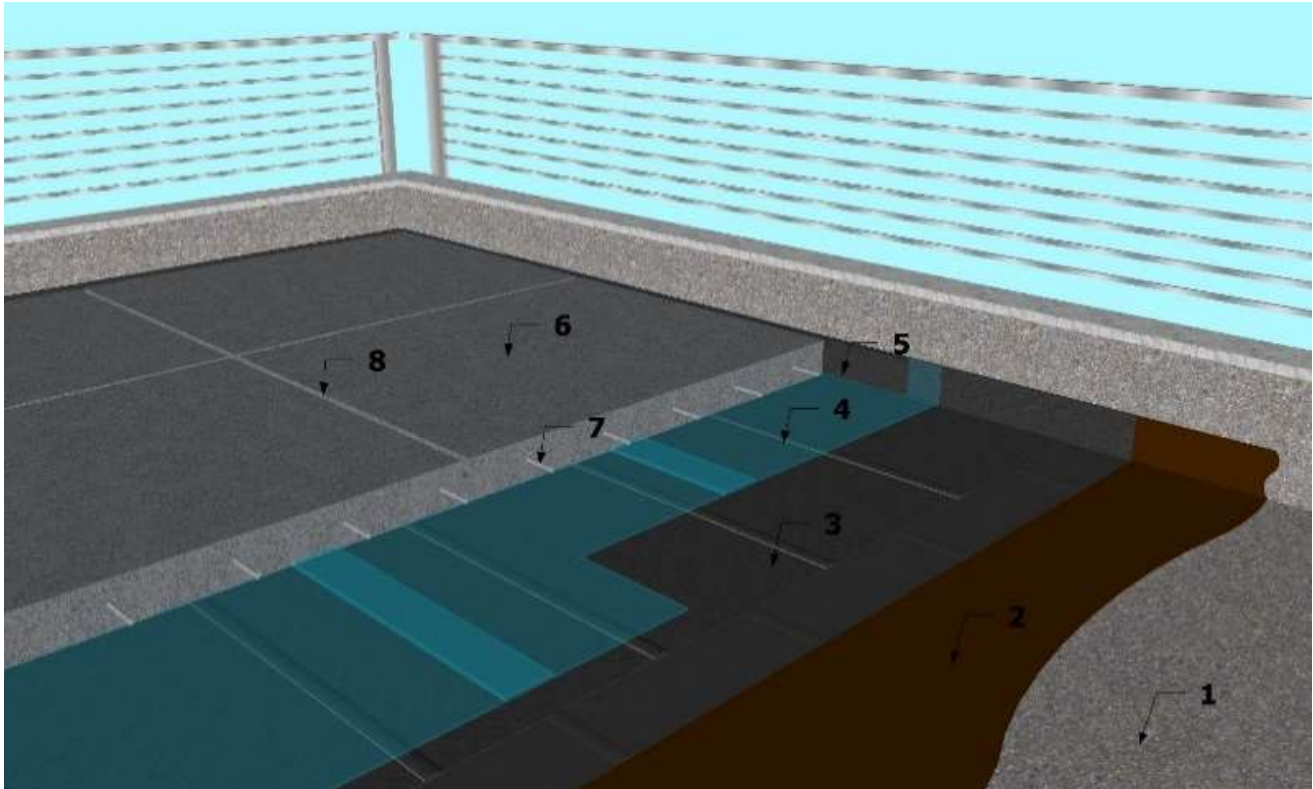
1. Old flooring.
2. WINCOLLA, bonding agent;
3. WINPLAN PRO, fast-curing screed;
4. Reinforcing bars;
5. Expansion joints;

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 PRO** 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 cm 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).

WINPLAN PRO (unbonded)



KEYS:

1. Structural substrate;
2. ECOIMPRIMER;
3. Double layer of bituminous membrane;
4. Sliding layer;
5. Compressible perimetral joint;
6. WINPLAN PRO, fast-curing screed;
7. Reinforcing bars;
8. Expansion joints.

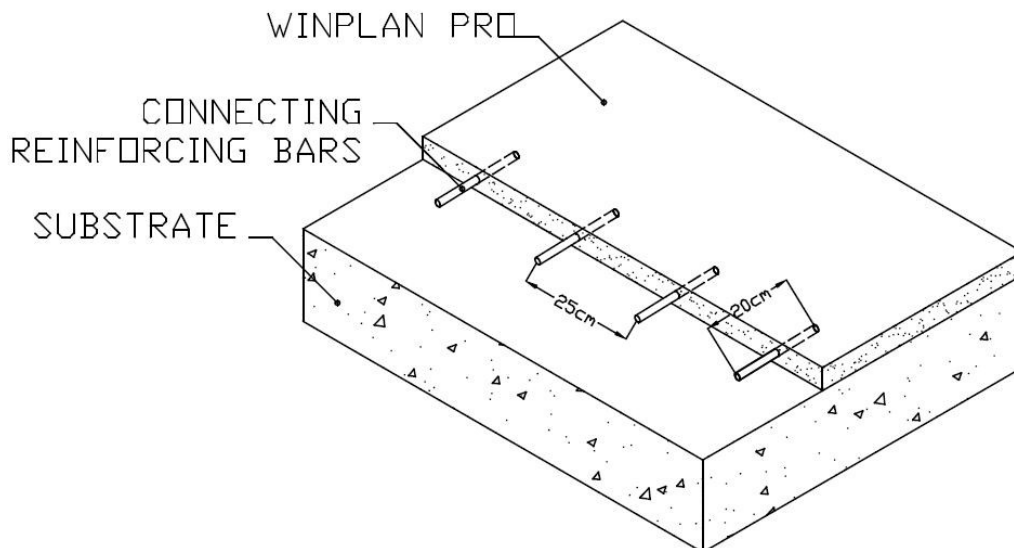
RECOMMENDATIONS

- 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 PRO** (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, \varnothing 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).



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.

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	2000 kg/m ³
Mixing time:	5-7 minutes

PERFORMANCE OF THE PRODUCT IN USE (UNI EN 13813)

Compression resistance after 24 hours UNI EN 13892-2 (N/mm ²)	≥ 5
Compression resistance after 28 days UNI EN 13892-2 (N/mm ²)	≥ 30
Flexion resistance 28 days UNI EN 13892-2 (N/mm ²)	≥ 5
Thermal conductivity UNI EN ISO 10456 (average value)	1,45 W/mk

WATERPROOFING CHARACTERISTICS

Liquid water permeability (UNI EN 1062-3)	< 0.1 kg/(m ² .h ^{0.5}) (Class III: Low permeability)
Water absorption after total immersion	
- After 24h	≤ 0.60%
- After 7 days	≤ 1.70%

OVERLAP TIME

Pedestrian traffic	12 h
Cementitious levelling	24 h
Ceramic	24 h
Natural stones	24-48 h
Liquid waterproofing and precasted	3 gg

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.