

ADINGFAVORIT

Acrylic finishing system for construction of sports foundations of asphalt or concrete surfaces

Field of application:

ADINGFAVORIT is a high-quality finishing acrylic system, ideal for construction of outside or internal sports fields for recreational activities such as tennis, volleyball, small football, basketball etc. It is also used as a decorative finishing layer for pedestrian and bicycle lanes, squares, terraces etc. The permanent colours give additional value to the object, emphasizing the cultivated surfaces as an element of the architectural design.

Properties:

- Good adhesion especially on asphalt foundation;
- Resistance to abrasion and UV radiation;
- Does not contain solvents and it is non-toxic;
- Waterproof;
- Decorative - production in different colours and nuances;
- Monolithic floor without fugues;
- Economic and simple for construction;
- Easy to maintain;

Technical features:

ADINGFAVORIT foundation

Profile: white liquid
Volume mass: 1,0 - 1,05 gr/cm
Dry substance: 24±1%

ADINGFAVORIT smoothing compound

Profile: A comp. black paste
B comp. filler
Volume mass: A comp. 1,0 - 1,10 gr/cm
Dry substance: 33± 3%

ADINGFAVORIT coloured

Profile: A comp. colored paste
B comp. greyish paste
Volume mass: A comp. 1,45 - 1,55 gr/cm
B comp. 1,75 - 1,85 gr/cm
Dry substance: A comp. 70± 5%
B comp. 1,75 - 1,85 gr/cm
pH-value: A and B comp. 8-9

Construction of the foundation:

ADINGFAVORIT is suitable for construction of asphalts and concrete foundations. The asphalt foundation is recommended as far more acceptable than the concrete. The basic reasons are because it provides large surfaces without dilatational and working joints, better follow-up of the deformation caused by the temperature differences and the settlement of the underground during the exploitation, more precise construction of inclinations, waterproof quality of the material and far lower price of the cost for the construction works than ferroconcrete foundations.

The surface where ADINGFAVORIT is applied needs to have appropriate inclinations, with a minimum slope of. 0.5% and suitable drainage - canaling of atmospheric water. When the foundation is intended for construction of sports fields, it is required to pay attention of the direction of the slope in order to comply to certain standards for the sport in question. Allowed deviations of the surface evenness is 2mm/2m.

The thickness of the foundation should be with appropriate dimensions and without occurrence of cracks on the surface.

Asphalt: it is required that the asphalt foundation be of minimum 14 days of age.

Concrete: the concrete foundation should be of minimum 28 days of age, protected from the negative penetration of moisture i.e. to be hydroisolated and with steam dam under the construction and the finishing treatment needs to be done with wooden smoothing tool or brush. The finishing treatment should never be done with steel smoothing tool and safety preparates for care of the fresh concrete (curing agents) must not be used.

The construction:

Before starting with the applicaton of the system ADINGFAVORIT it is required to ensure the following conditions:

- the foundation should be cleared of dust and oil
- there should be no announce for rain or strong wind in the next 24 hours.
- The outside temperature needs to be +15°C and with tendency to increase
- Not to be applied if the temperature of the foundation is $\geq 60^{\circ}\text{C}$.
- The material which needs to be used, should be kept protected from freezing and should not be exposed to "strong" sunlight.

If local depressions on the surface occur (there is water), it is required to level these surfaces. The levelling will be done with mixture prepared out of:

- Bond- U
- Cement 1 kg. 1 kg.
- Dry quartz sand (0,5 μ - 0,8 μ) 3 kg

Before performing the levelling of the depressions in order to enable good transfer of the levelling mixture, the surface of the depressions has to be coated with solution prepared out of 1 part bond-U and 2 parts water. This solution is left to dry out before applying the levelling mixture. After performing all previous preparations, the ADINGFAVORIT system can be applied.

ADINGFAVORIT foundation

The applying of ADINGFAVORIT foundation has to be done with brush or roller. It is applied in one layer, and depending on the temperature conditions and the pouzivity of the foundation it may be refined with water until 10%.

ADINGFAVORIT smoothing compound

In a period of 1-2 hours after the applying of the foundation, the ADINGFAVORIT smoothing compound is applied. The material is prepared with preparation of the following mixture:

ADINGFAVORIT smoothing compound
(A component) 32 liters
ADINGFAVORIT smoothing compound
(B component) 48 liters
Water (depending of the temperature)
1,5 - 2,0 liters

The mixture is mixed with mechanical mixer (300-400 rev/min) until complete homogenization. This prepared mixture is diffused and distributed in a layer with equal thickness by using a rubber smoothing tool.

ADINGFAVORIT coloured

After the ADINGFAVORIT smoothing compound is completely stiffened (24 hours) and the eventual unevennesses are levelled, the final layer of ADINGFAVORIT coloured is applied in two to three layers.

The material is prepared with preparation of the following mixture:

ADINGFAVORIT coloured (A component) 20 liters
ADINGFAVORIT coloured (B component) 40 liters
Water 1 litre

The mixture is mixed with mechanical mixer (300-400 rev/min) until complete homogenization and equalization of the color. This prepared mixture is diffused and distributed in layer with equal thickness by using a rubber smoothing tool. Each next layer is applied on a previously dried layer.

- Time of drying: 30 min. to 1 hour
- Possibility for exploitation: after 24 hours
- Consumption: 1 layer 0,40 - 0,45 kg/m²
2 layer 0,30 - 0,40 kg/m²
3 layer 0,20 - 0,30 kg/m²

If the obtained floor needs to be labeled, this has to be done with colour based on acrylic resin ADINGMARKER.

Maintenance:

The longlasting of the floor depends on its proper maintenance. It is best to clean the ADINGFAVORIT floors by machine with rotational smooth brushes using a mild solution of detergents in water with temperature up to 50° C. If local mechanical damages appear, at certain periods it is required for them to be renovated in order to prevent their expansion.

Consumption:

ADINGFAVORIT - praymer:
0,30 - 0,35 kg/m²
ADINGFAVORIT - smoothing compound:
0,80 - 2,00 kg/m²
ADINGFAVORIT - colored
1,00 - 1,20 kg/m²

Cleaning:

The tools and the equipment should be cleaned in water, immediately after their use. During the construction the smoothing tools need to be occasionally cleaned of the dried material.

Packing:

ADINGFAVORIT foundation in plastic bins of 10 kg.
ADINGFAVORIT smoothing compound in set of 56 kg.
ADINGFAVORIT coloured in sets of 33 kg. and 66 kg.

Storage:

In original package, on temperature of 5 °C to 35 °C and protected from direct sunlight. Best before 9 months.

Standard colours:

It is manufactured in green and red colours, but production in other colours is available on demand.