

Curing Agent for Concrete

PELÍCURA® AC

PRODUCT

PELICURA® AC is a high solid acrylic emulsion-based product, developed to cure and waterproof mortars and concrete and it's ready to be used. When applied it forms a transparent film. It is compatible with all types of Portland cement, or floors that have mineral or metallic aggregates, whose function is to avoid fast evaporation on the concrete surfaces exposed to heat and wind. The product also bars the formation of cracks, fissures and carbonation and helps to augment resistance to abrasion.

PELICURA® AC is in accordance with ASTM Standard C309/11.

SEGMENTS OF USE

- Highway pavements and master pieces of bridges;
- Airport runways;
- Industrial floors, precast items;
- Surface coatings for cement-based floors with natural and metallic aggregates.

APPLICATION

PELICURA® AC must be applied with low pressure spray on the fresh concrete, once the concrete process is finalized and immediately after disappearance of the exudation water or when the concrete acquires a matte appearance. Upon application, it forms a uniform transparent film during the curing process. It is also possible to use brushes and rollers, but this process can increase consumption and spoil the surface.

Precast items should be treated immediately after the forms are removed.

Removal: after the desired period of curing it is possible to remove the membrane by washing with hot water or brushing the surface with automatic washers.

PROPERTIES AND BENEFITS

Fresh concrete:

- Reduces cracking of the floor due to the plastic retraction;
- Improves hydration of cement;
- Avoids moistening the floor by water, wet cloths, plastic bags, wet sand, etc.

Because it is water based, it is odorless and is not flammable.

Hard concrete:

- Prevents loss of strength of concrete;
- Increases the durability of concrete;
- Avoids fissures of plastic retraction;
- Does not alter the color of the floor;
- Avoids impregnable dirt after finishing the floor during the work.

CHARACTERISTICS AND PERFORMANCE

CHARACTERISTICS	RESULTS
Function:	Curing agent
Chemical base:	Aqueous acrylic emulsion dispersed in water
Drying time:	30 to 40 minutes (at 21°C, 70°F with relative humidity the air of 50%)
Appearance	Milky white liquid
Application temperature	Between 5°C (41°F) and 29°C (84°F)
Package	Bucket of 20 kg, barrel of 50 kg, drums of 180 kg

Yield: Depends on the texture and porosity of the surface; the usual quantities are between 200 and 300 g/m².

CLEANLINESS AND SAFETY

Use protective glasses and rubber gloves. Direct contact with the skin should be avoided (can cause irritation). In case of contact with the skin or eyes, wash immediately with abundant water and consult a doctor. Keep out of the reach of children and animals.

PRECAUTIONS

- It is recommended to apply one coat
- Before use always stir the product in order to make it homogeneous
- Do not allow the product to be exposed to temperatures below 5°C (41°F), or it will lose its properties
- For best results apply the product between 5°C (41°F) and 29°C (84°F)
- Do not apply over exudation water
- Do not dilute the product

STORAGE

HIDROREIS® should be stored in a dry and ventilated location in original unopened package.