

High qualities dry shake surface hardener for fresh Concrete floor.

DEFINITION

Novo Corundum is one component, ready to use dry shake surface hardener.

Novo Corundum is consisted of special grade of very hard-wearing metallic oxide (corundum metal) non corroding aggregates, cement and additives for high workability.

Novo Corundum is easy to apply to fresh wet concrete by hand trowel or mechanicals trowel.

USES

Novo Corundum provides hard floor with high abrasion resistance and also highly dense surface resistant to oil and grease penetration; where it is used for producing high quality flooring such as:

1. Heavy industries factories.
2. Garages and parking areas.
3. Food refrigerators.
4. Warehouses.
5. Loading docks.
6. Fuel station...etc.

ADVANTAGES

1. Can be used in totally submerged conditions.
2. Smooth concrete surface.
3. Excellent impact resistance
4. Highly adhesive and bond strength.
5. Very high resistance of abrasion.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION	VALUE
Color	gray other required color
Density	(2.0 ±0.05) gm. / Cm ³
Coverage	3- 5 kg / m ² (depending on surface conditions)
Shelf life	12 months (under suitable storage conditions)

APPLICATION INSTRUCTION

Surface properties

All surfaces must be sound and completely clean before **Novo Corundum** is applied. All traces of grease or oil must be removed with **Novo Chemical Degrease**. All loose particles of mortar, old wallpaper, paint, etc. must be physically or chemically removed.

APPLICATION

BASE CONCRETE

- Minimum cement content is 350 Kg/m³ of concrete.
- Minimum slump is 10 cm and maximum are 14 cm.
- Water cement ratio is recommended to be below 0.55.
- Vacuuming the concrete is not recommended.

FINAL FINISH

When the concrete floor has stiffened sufficiently, use the powder blades machine to get a smooth, leveled, bright and very fair hard floor.

Application

Time of application

- Spread **Novo Corundum** powder to slab when it is sufficient, Moisture of concrete surface is available to enable **Novo Corundum** powder to react with. For the concrete, do not apply **Novo Corundum** powder too early when bleed water is still appearing.
- Spread the half quantity on the concrete surface and trowel it by mechanical trowel (pen), (power float) or wooden float.
- After that, apply the second half on **Novo Corundum** quantity and again trowel it by the same way before.

PRECAUTIONS

- **Novo Corundum** is non-toxic; any splashes on the skin should be washed with water.
- If Contact with eyes occurs wash well with water immediately and ask for medical advice.

Fig 1: factory floor achieved by **Novo Corundum**



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