

Admixtures For Improving Concrete & Mortar Properties

Lavosar

Surface Retarder For Exposed –Aggregate Concrete Surfaces.

Description:

- **LAVOSAR:** Is a liquid to be applied on concrete surfaces, moulds formwork or shuttering to retard surface set of cement and allow for exposure of the aggregate.

Fields of Use:

- **LAVOSAR:** is applied on concrete surfaces, moulds formwork or shuttering to retard surface setting of cement to allow for exposure of the aggregates.
- **LAVOSAR:** Suitable for producing exposed – aggregate concrete for aesthetic purposes or where a mechanical key is desired to obtain stronger bond to subsequent plastering or screeding.

Advantages:

- General purpose surface retarder is applied to moulds or shutter faces by brush or roller and may be diluted with water to be sprayed.
- **LAVOSAR** is used with its delivered consistency at a rate of 300 gm/m² to obtain a wash depth up to about 7mm.
- **LAVOSAR** is used for in situ works as well as for pre-cast applications where concrete is cured at normal or at higher temperatures.
- **LAVOSAR** can be applied to horizontal or vertical surfaces.

Technical Data :(at 25°C)

Solid content	70 ± 2% Appearance
Density	1.48 ± 0.02 kg/l

Directions for Use:

- Concrete should be poured directly after coating or before **LAVOSAR** coating is completely dry, otherwise a second coat must be applied before concreting.
- The material should be well stirred before use.
- **LAVOSAR** Allows for a surface reterdation ranges between 8 to 72 hours depending on temperature and mix design . Site trials should be carried out to determine the maximum possible time for demoulding and washing out of the concrete surfaces. Delayed washing of the retarded concrete surface starts to set will result in an unacceptably irregular exposed aggregate surface.
- To wash out concrete surfaces treated with **LAVOSAR** hosing with water is usually sufficient.
- Brushing could be used to accelerate the process.
- **LAVOSAR** is more effective on concrete having cement content of 300-350 kg /m³ and workability slump between 6-10 cm.
- In order to protect the exposed aggregate surface, it is recommended to use a transparent protective coating as **ADDICON**.

Rate of Use:

- 300 gm/m² For a washing of 7 mm depth.

Safety Precautions:

- **LAVOSAR** is non-flammable and non-toxic wash any splashes to the eyes immediately with water.
- For accidental release use an absorbent inter materials as sand, then collect up and place in suitable container.

Storage:

- 6 months under suitable storage conditions.

Packages:

- 5 kg, 20 kg and 200 kg.