



# XPO100 RETARDER

**XPO100** Retarder is used for horizontal concrete work including precast panels, construction joints, key, or kicker joints etc.

For XPO Retarder the depth of retardation depends upon variables like

- The thickness of the coating,
- The time elapsed before the retarder is removed,
- The cement content and the quantity of water in the mix.
- The ambient temperature

XPO is non-toxic and biodegradable and complies with GREEN STAR- OFFICE DESIGN V3 IEQ-13.

## DIRECTIONS

For all horizontal applications using XPO Retarder.

Wait until all finishing procedures are completed just after the concrete loses its sheen, before the initial set.

Do not rework the concrete after XPO has been applied or an uneven finish will result.

Apply XPO with a low-pressure spray on to the surface to revealed.

To achieve a normal exposure on aggregate up to 20mm use undiluted at a rate of 1litre to 4m<sup>2</sup>.

For aggregate between 6-10mm dilute XPO 1:1 with water according to the exposure required.

Remove surface mortar within 2-12 hours after the initial set of the concrete.

Time will vary depending on weather conditions.

Use a stiff broom to loosen the mortar and remove with a low-pressure hose sprayer.

- Will result in an exposed aggregate type of finish.
- Diluting reduces the effectiveness of XPO.
- Trials should occur before application.
- Treated surfaces should be protected from direct sunlight and warm wind which can cause the surface to dry out rapidly.
- Overdosing will lead to deeper than required exposures causing aggregates to dislodge.

Curing if specified of slabs can only be effectively achieved with conventional wet cure methods, as membrane cures will interfere with the revealing process.

For vertical and ceiling applications use **XPO VERTICAL**.

For high visible application use **XPO FLURO**.

## APPLICATION RATE

4 m<sup>2</sup>/L undiluted for exposed surfaces up to 20mm.

4 m<sup>2</sup>/L diluted with water 1:1 for exposed surfaces 6-10mm.

## SPECIAL NOTE:

Pre-testing of all admixtures should be undertaken, prior to use as mix conditions change from location to location.

Chemical House will not accept responsibility for any damages through inadequate pre-testing.

## XPO100 Retarder - PDS Jan 2021

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Chemical House does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation, or information given by it.

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