

Guidelines and quality control for Gypsol Zero Laitance (ZL) flowing screed.

The Gypsol Zero Laitance (ZL) is currently available for use with Gypsol HTC and Gypsol Rapide screeds. We strongly recommend conducting live ZL trials at each plant where the product will be used. These trials can either be carried out with screed customers or via test slabs at the batching plant location.

Sales and distribution requirements

Complete site information is strongly recommended which includes:

- Main contractor details.
- Screed contractor information.
- Full site address.
- Subfloor specification and intended application.
- Screed depth and total quantity required.
- Building condition (i.e. status of windows, doors, and roof).
- Ambient and internal temperatures (must remain between 5 °C and 27 °C).
- Distance and estimated travel time from the batching plant to site.
- Planned truck intervals and batching times.

Technical and plant batching instructions

Any change in sand source or grading must be communicated to the LKAB Gypsol team in advance.

For batching Gypsol HTC ZL or Gypsol Rapide ZL:

- Dosage: Use two ZL additive bags per cubic metre of screed.
- Flow Target: 250mm ± 10mm.
- Batching Temperature: Maintain between 5 °C and 27 °C.
- Store ZL additive bags in a dry, covered area until ready for use.
- At the beginning of batching, ZL additive bags must be added with the batching water.
- Example: A 3m³ load requires 6 bags of ZL additive.
- Maintain records of:
 - Correct ZL dosage per batch
 - Autographic batching data
 - On-plant flow test results
- Notify customers if batching temperatures fall outside the 5 °C to 27 °C range.

On-site requirements

- Building must be sealed (i.e. watertight and airtight) with all windows, doors, and roof in place to protect from external conditions.
- Maintain internal temperature between 5 °C and 27 °C throughout application.
- Conduct and document an on-site flow test (target: 250mm ± 10mm).
- Discard any priming material used for lining the pump before screed placement.
- If the screed arrives out of specification, follow LKAB guidance for adding water to adjust the flow. Please note additional water may compromise the ZL finish.
- Do not wash out equipment into the screed pump or into the finished screed.
- The building must remain sealed for 48 hours post pour.