

PRODUCT DATA SHEET

LANKO® 311 Bricklayers Plasticiser

Plasticiser additive, for increased workability

DESCRIPTION

LANKO® 311 Bricklayers Plasticiser is a plasticising additive for use in bricklayer's mortar and sand/cement mortars in general. It is designed to greatly improve the handling characteristics of mortars that it is added to. LANKO® 311 Bricklayers Plasticiser is ideal to add to mortar mixes when appropriate well-graded sands are not available. LANKO® 311 Bricklayers Plasticiser is generically referred to as "liquid ball bearings."

USES

To plasticise mortars, renders and other sand/cement mixes. Allows for easier workability in mortars, particularly those that contain coarse sand. Mortars will flow more readily at lower water contents, and maintain shape and form, even under loads from subsequent layers of bricks. Reduces segregation and bleeding in mortar mixes, therefore reducing unsightly surface laitence. This also improves cure of mortars, leading to a stronger and more durable result. Eliminates the need for lime to plasticise the mix thus allowing the water/cement ratio to be reduced, producing a higher strength mortar. Improves surface adhesion of renders while still wet.

FEATURES

- Greatly improve handling characteristics of mortars
- Reduces segregation and bleeding
- High strength
- Ideal for bricklayer's mortar and sand/cement mortars

PRODUCT INFORMATION

Packaging	5 L and 20 L
Appearance and colour	Clear liquid
Shelf life	12 months
Storage conditions	Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 4 °C and 35 °C.

APPLICATION INFORMATION

Consumption

The following dosage rates are to be taken as a guide only.

- Job site conditions and raw material variability may lead to adjustments to these figures.
- Do not add more than the maximum level of LANKO® 311 Bricklayers Plasticiser, as too much air will be entrained leading to a weaker and less durable cured mortar.

Dosage	Bricklaying fatty sands	Bricklaying coarse sand
Per 40 kg cement	25–40 mL	40–60 mL
Per 200 L water	300–500 mL	500–600 mL

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Precautions should be taken to avoid skin or eye contact or swallowing the product.
- Do not overdose mortar mixes with LANKO® 311 Bricklayers Plasticiser as it will weaken the mortar by entraining excessive amounts of air.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

- As mixing methods and available materials vary, a trial mix is recommended to determine the dose rate for the best results.
- LANKO® 311 Bricklayers Plasticiser must be added to the gauging water prior to mixing into the sand/cement mortar. Do not add it directly to the blended mortar.
- Once LANKO® 311 Bricklayers Plasticiser has been added to the gauging water, proceed with the preparation of the bricklaying or rendering mortar as per usual.

CLEANING OF EQUIPMENT

Use clean water to clean up excess LANKO® 311 Bricklayers Plasticiser and tools.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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