

PRODUCT DATA SHEET

SikaPaver[®]-740

(formerly MCast 740)

High performance compaction aid for manufactured concrete products

DESCRIPTION

SikaPaver[®]-740 is a high performance compaction aid for manufactured concrete products, especially designed for even mould filling behaviour in combination with swipe formation at the concrete element flanks. Suitable for use in hot and tropical climatic conditions.

USES

- Concrete Pavers/Block Paving
- Masonry blocks
- Kerbstones
- Concrete pipes and manholes
- Concrete Roof-tiles

FEATURES

SikaPaver[®]-740 has been designed especially for the application in manufactured concrete products, and it causes:

- Better dispersion and wetting of cement, additives and pigments
- Reduced friction between cement and aggregates
- Introduction of small, evenly distributed air pores

This leads in fresh manufactured concrete products to the following advantages:

- Granular mould-filling properties also at higher water contents
- Stronger compactability, which allows, for example, achieving shorter cycle time or higher concrete densities
- Reduced adhesion between the face mix and the tamper head
- Increased green strength (shape keeping) after immediate de-molding

In hardened concrete, SikaPaver[®]-740 causes:

- Higher concrete density and strength
- Smoother and more homogenous concrete surfaces and flanks
- Increased frost and de-icing resistance
- Better durability
- Less quality variations and consequently less second grade products

CERTIFICATES AND TEST REPORTS

SikaPaver[®]-740 follows the requirements of EN 934-2 Tables 3.1 and 3.2

PRODUCT INFORMATION

Composition	Surfactant
Packaging	Drums or 1,000 L flowbin
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Mix well before using.
Appearance and colour	Clear to pale yellow liquid
Density	~1.0 kg/l (+25°C)

APPLICATION INFORMATION

Recommended dosage	0.1–0.5 % by weight of binder Other dosages may be used in special cases according to specific job site conditions. Please consult our Sika Technical Department.
Dispensing	SikaPaver®-740 is a liquid ready-to-use admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80% of the total water. The water content is adjusted to obtain the desired consistence or workability.

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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