

## PRODUCT DATA SHEET

# SikaPaver<sup>®</sup>-798

(formerly MCast 798)

New generation plasticizer for Manufactured Concrete Products

### DESCRIPTION

SikaPaver<sup>®</sup>-798 is an innovative multi-purpose plasticizer specially developed for semi-dry concrete mixes. The product is suitable for the production of blocks and pavers.

SikaPaver<sup>®</sup>-798 accelerates the strength development and reduces the cycle time whilst the appearance is maintained or even improved.

Due to its unique principle of action on the cement grain, SikaPaver<sup>®</sup>-798 fully exploits the hydration potential of cement, resulting in higher early strengths and shorter curing times.

Suitable for use in hot and tropical climatic conditions.

### USES

SikaPaver<sup>®</sup>-798 is suitable for Manufacturing Concrete Products, especially:

- Concrete Pavers
- Masonry Blocks
- Roof tiles
- Kerbstones
- Landscaping elements

### FEATURES

SikaPaver<sup>®</sup>-798 offers the following benefits for the Manufactured Concrete Products industry:

- Enhanced productivity due to shorter cycle time
- Higher early strength
- Enhanced curing cycles due to shorter curing times

### TECHNICAL INFORMATION

#### Concreting guidance

The standard rules of good concreting practice for production and placing must be observed when using SikaPaver<sup>®</sup>-798 in concrete. Refer to relevant standards.

Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika<sup>®</sup> Antisol<sup>®</sup> products as a curing agent or apply wet hessian.

## PRODUCT INFORMATION

Composition	Specialty selected modified carbohydrates
Packaging	Drums, 1000 L flowbin or bulk supply in tanker
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	Dark brown liquid
Density	~1.16 kg/l (+25°C)
Total chloride ion content	Nil (EN 934-2)

## APPLICATION INFORMATION

Recommended dosage	0.3 - 1.0 % by weight of binder. Dosages outside of this range can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.
Dispensing	SikaPaver®-798 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.
Compatibility	SikaPaver®-798 is suitable for mixes containing all types of cement and supplementary cementitious materials such as Microsilica (Silica Fume), Fly Ash (PFA), GGBS (Ground Granulated Blast Furnace Slag) and the following Sika products: SikaPlast®, Sika® ViscoCrete®, Sikament®, SikaPump®, Sika® FerroGard®, SikaFume®, SikaFiber®, Sika® Aer, Sika® Stabilizer, SikaControl® We recommend to perform trial mixes to establish the required performance when combining SikaPaver®-798 with the above products or other admixtures. Please consult our Sika Technical Department.

## 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.

## IMPORTANT CONSIDERATIONS

Before use, suitability tests must be performed. Sufficient compaction of base and face concrete is essential to ensure the targeted performance parameters of the manufactured semi-dry concrete elements. For further information and advice, please contact our Technical Service Department.

## 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.

### Sika Gulf B.S.C. (c)

Tel: +973 177 38188  
Email: info@bh.sika.com  
Sika Kuwait Cons. Mat. & Paints Co WLL  
Tel: +965 22 282 296  
Email: sika.kuwait@kw.sika.com  
Web: gcc.sika.com

### Sika UAE LLC

Sika MB Construction Chemicals LLC  
Sika International Chemicals LLC  
Tel: +971 4 439 8200  
Email: info@ae.sika.com  
Web: gcc.sika.com

### Sika Saudi Arabia Limited

Sika Construction Chemicals for  
Manufacturing LLC  
Riyadh / Jeddah / Dammam / Rabigh  
Tel: +966 12 692 7079  
Email: info@sa.sika.com  
Web: gcc.sika.com

### Sika LLC - Oman

Master Builders Solutions LLC  
(part of Sika)  
Tel. +968 22 826 500  
Email: info@om.sika.com  
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS  
- Sika UAE LLC  
- Sika International Chemicals LLC  
- Sika Gulf B.S.C. (c)  
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.



### Product Data Sheet

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