

## PRODUCT DATA SHEET

# SikaControl®-810 TC

Compaction aid for concrete roof tiles produced with the extrusion process

### DESCRIPTION

SikaControl®-810 TC is a compaction aid which has been developed to increase the compaction effect of the forming roller during the extrusion process of the concrete roof tile production.

### USES

- Concrete roof tiles produced with the extrusion process

### CHARACTERISTICS / ADVANTAGES

- Increased friction towards the roller due to reduced swipe formation at unchanged moisture content
- Improved compaction and higher roof tile weight at consistent machine settings
- More uniform surface and improved green strength (shape keeping) after the extrusion

SikaControl®-810 TC improves the dispersion and wetting of cement, additives and pigments and hence allows the reduction of pore content at the same compaction effort, leading to optimisation potential.

### PRODUCT INFORMATION

<b>Composition</b>	Surfactant
<b>Packaging</b>	Drum: 200 kg net weight IBC: 1000 kg net weight
<b>Shelf life</b>	12 months from date of production if stored properly in original, unopened packaging. After prolonged Storage, agitate the product before using.
<b>Storage conditions</b>	Protect from frost, intense sunlight and contamination. In case of bulk delivery, the tanks and equipment used must be clean.
<b>Appearance and colour</b>	clear liquid
<b>Density</b>	1.00 kg/dm <sup>3</sup> at +20°C
<b>pH-Value</b>	approx. 7
<b>Total chloride ion content</b>	≤ 0.10 %
<b>Equivalent sodium oxide</b>	≤ 0.5 %

# APPLICATION INFORMATION

<b>Recommended dosage</b>	0.2 – 0.6 % of binder weight (cement and fly ash)
<b>Dispensing</b>	SikaControl®-810 TC shall be added with the mixing water or introduced at the end of the mixing process. The necessary mixing time after the admixture dosage depends on the individual mixer.
<b>Compatibility</b>	Before use suitability tests must be performed. Sufficient compaction of concrete while in parallel avoiding capillary porosity 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. The use of SikaControl®-810 TC in wet cast concrete is not suitable.

## 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 the 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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