



**Additive for refining semi-dry concretes with hydrophobic effect**

**MULTIPHOB HP**

Art. – No. 07.100.

**APPLICATION AREA:**

- To create mechanically produced, one-course and coloured concrete goods or face concrete for concrete goods (consistency C0 – C1), like for example, concrete paving blocks, pavement flags, restricting elements and palisades.
- To produce essentially efflorescence-free concrete goods.
- To produce coloured concrete goods.
- If you use MULTIPHOB HP you do not have to use a concrete liquefier in addition.

**CHARACTERISTIC:**

HP brings about a chemical reaction with the basic components of the concrete and ensures a certain hydrophobic lining of the capillary pores.

In concrete, MULTIPHOB HP causes

- a noticeable hydrophobic reaction of the capillary pore system.
- a considerable reduction in primary and secondary efflorescence and a significant increase in the resistance to frost and de-icing salt.
- a noticeable colour intensification in coloured concrete goods or a colour pigment savings.
- a lubricating effect on account of the plasticizing components, enabling an increase in the surface quality, and so as to positively influence the removal process.

**TECHNICAL SPECIFICATIONS:**

Raw material basis:	Fatty acid soaps
Colour:	Red
Form:	Liquid
pH value:	7.0 ± 1.0
Density (at 20 °C):	1.00 ± 0.02 g/ml
Processing temperature:	Over + 5 °C
Durability:	c. 12 months
Storage:	Protect from sun and frost; protect from contamination

**DOSAGE:**

Recommended dosage: 0.5 – 1.5 M% of cement weight.  
The necessary amount is based on the required concrete properties and must be ascertained by means of an initial test.



# TECHNICAL DATA SHEET



## PROCESSING INFORMATION:

- MULTIPHOB HP should be added to the already pre-mixed concrete with suitable spray nozzles.
- MULTIPHOB HP must not be added to the concrete with the mixing water in the dosing plant, as otherwise this could bring about spontaneous reactions.
- Always ensure an adequate mixing time.
- When using core concrete and face concrete, the additive must be added to both mixes in order to ensure a reliable effect.

## WORK SAFETY:

- Not a hazardous substance in accordance with the Ordinance on Hazardous Substances
- Not hazardous goods as defined by transportation directives
- WHC 1 (self-assessment) little risk of pollution
- Observe safety data sheet

## FORM OF DELIVERY:

35 kg	PVC – can bfn
210 kg	Poly-drum bfn
1000 kg	Container net
Tanker truck delivery on request	

## NOTE:

Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. We reserve the right to make changes that signify a technical advance. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedure must be tested for suitability with your circumstances.

EFFECTIVE: 07/15