

TECHNICAL DATA SHEET

SWM 4.0

Description

SWM 4.0 is a ready-made thin cut-off wall-material designed for the construction of vertical barriers e.g. for use in contaminated site remediation.

Formulation: 804 kg SWM 4.0
≈ 696 liter water

Suspension density ≈ 1,50 t/m³

Rheology:

Marsh viscosity t_{0h} 40 – 60 s (based on DIN 4127: 2014-02)
Yield stress > 30 N/m² (in accordance with DIN 4127: 2014-02)
Filtrate loss < 120 ml (in accordance with DIN 4127: 2014-02)
Sedimentation t_{24h} < 3 % (internal test instruction PA 610)

Compressive strength: **Cylinder compressive strength at 20 °C** (based on DIN EN ISO 17892-7:2018)

28 d
≈ 1,500 kN/m ²

Permeability: **Coefficient of permeability (k value)** (in accordance with DIN EN ISO 17892-11:2019)
Measuring equipment: triaxial cell; $i = 30$

28 d
$\leq 1 \times 10^{-9}$ m/s

Status: May 2023

Page 1 of 1

The above data relate to tests under laboratory conditions with the usual metrological tolerances. These along with records of other "suitability tests" are designed to obtain information about the basic suitability of our product in respect of the intended purpose. Even in the case of a project-specific test, the information should not be regarded as a promise of properties with the effect that we can be held responsible for damages resulting from the absence of features and/or properties. Our information therefore does not release customers from the obligation to carry out their own specific tests and take decisions on their own responsibility.

Heidelberg Materials AG
Zur Anneliese 7
59320 Ennigerloh
Germany
Telefon +49 2524 29-51700
Telefax +49 2524 29-51715

