

TECHNICAL DATA SHEET

DIWA-MIX® 230

Description

The DiWa-mix® 230 ready-made diaphragm wall building material is particularly designed for use in contaminated site remediation. By choosing the appropriate modifications, DiWa-mix 230 can be individually tailored to the requirements of the building project.

Formulation: 230 kg DiWa-mix
≈ 912 liter water

Suspension density ≈ 1.140 t/m³

Rheology:

Marsh viscosity t_{0h} 38 – 48 s (based on DIN 4127:2014-02)
 t_{8h} < 60 s (stirring test according to GDA requirements at 10 °C)

Yield stress > 20 N/m² (in accordance with DIN 4127:2014-02)

Filtrate loss < 60 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
≈ 1,000 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
≤ 1 x 10 ⁻¹⁰ m/s

Status: May 2023

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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.

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