

# TECHNICAL DATA SHEET

## DRILL-MIX® 160

### Description

Drill-mix® 160 is a self-setting drilling fluid for the horizontal drilling process. By choosing the appropriate modifications, the processing time and strength development can be tailored to the conditions on the respective building site.

**Requirement/m<sup>3</sup>:**  $\approx 160$  kg Drill-mix  
(Fine adjustments are made to the consistency by varying the solid content; recommended Marsh time approx. 45 s)

**Suspension Density:**  $\approx 1.110$  t/m<sup>3</sup>

### Rheology:

<b>Marsh viscosity</b> ( $t_0$ )	$\approx 45$ s	(in accordance with DIN 4127: 2014-02)
<b>Yield point</b>	$\approx 23$ lb/100 ft <sup>2</sup>	(in accordance with API RP 13I)
<b>Plastic viscosity</b>	$\approx 9$ cP	(in accordance with API RP 13I)
<b>Gel thickness</b>	10 s $\approx 25$ lb/100 ft <sup>2</sup>	(in accordance with API RP 13I)
	10 min $\approx 29$ lb/100 ft <sup>2</sup>	
<b>Filtrate loss</b>	$\approx 20$ ml	(in accordance with DIN 4127: 2014-02)
<b>Processing time</b>	up to 48 h	

**Shear strength at 10 °C:** (Measuring using the laboratory vane shear tester)

14 d	21 d	28 d	42 d
0 kPa	0 – 5 kPa	$\approx 7$ kPa	$\approx 15$ kPa

**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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