

Basic - Mixing Chart HDD

(suits 95% of all Drillings)



PHRIKOLAT

Basic-Product	[kg/m ³]	Additives	[kg/m ³]	MFV [s]
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Cohesive Soils: Clay - Loam - Silt

Default:	Bentonit Typ W	25 - 31	opt. PhrikoTon 4.0 * Modidet	4 0,5 - 1,0	55 - 65
Alternative:	Bentonit Typ W	19 - 25	opt. ParaVis 500 ParaTrol Modidet	1,0 - 3,0 0,2 - 1,0 0,5 - 1,0	50 - 60
Bentonite Free:	ParaVis 500	3 - 4	opt. ParaTrol Modidet	0,5 - 1,0 0,5 - 1,5	45 - 55

Mixed Soils: Sand - Fine Gravel - Rock / unknown

Bentonit Typ W	25 - 31	Rheopur	0,25 - 0,75	60 - 95
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Special: Coarse Gravel - Quick Sand

Bentonit Typ W	31 - 38	Modiplex MH *	2,5	> 120
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* Do not use Soda Ash together with these products !

Bentonit W plus: When using Bentonit W plus instead, reduce Bentonite amount by 10 - 15 %.
When using Modiplex MH with Bentonit W plus stay within the chart.

Soda Ash: Treat make-up water with Soda Ash if required: pH-value: 8-9, Water Hardness: < 10 °dH.
Maximum 0,50 kg Soda per m³.

Mixing Order: 1.) Soda Ash 2.) Bentonite 3.) Additives 4.) 15 Minutes minimum Mixing Time

Minimum Numbers of Products - Maximum Success: Through in-house developed Drilling Fluid Systems