

Mill Exit Dewpoint Report

Revision 2.3

Date submitted: 28/05/2020

Company contact: John Doe

Email address: john.doe@cement.com

Company name: Cement Company

Input Data

Product Mix		
	% of mix	%H ₂ O
Clinker	89.5%	0.0%
Gypsum	7.3%	20.0%
Limestone	3.2%	5.0%
Other	0.0%	0.0%
Total	100.0%	

Total feed rate	124	(t/h, wet)
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Water Injection		
Rate	1 324	l/h

Gas Parameters		
P _{amb}	82 500	Pa
Air into mill		
T _{dry bulb}	25.0	°C
P _{static}	-100.0	Pa
Composition		
O ₂	21.0%	%Volume _{dry}
CO ₂	0.0%	%Volume _{dry}
Vol flow	39 844	Nm ³ /h
Humidity	0.0723	kg H ₂ O/kg BDG
Gas at mill exit		
T _{dry bulb}	80.0	°C
P _{static}	-1 500.0	Pa

Results

T _{dew point}	42.5	°C
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Comment: Typical. Can decrease air flow slightly.