

# Onshore Wind Turbine Grouting Check list

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Wind farm name, postal code, city, country

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Wind turbine no

.....  
Tower type

General data					
Contractor Name					
Licensed Contractor Name					
Weather / Wind	Sunny	Cloudy	Overcast	Rainy	Wind conditions:
(No work shall be carried in the case of strong wind/rain)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Mixing and pumping equipment	
Name of mixer manufacturer	
Material capacity of pan mixer	
Name of feed pump manufacturer	
Hose Length / Inner Diameter	

Controls before grouting		
Check Item	Yes	No
Load ring/tower base section installed correctly and checked	<input type="checkbox"/>	<input type="checkbox"/>
Area to be grouted pre-wetted over a sufficient long period (12 -24 h)	<input type="checkbox"/>	<input type="checkbox"/>
Area to be grouted cleaned thoroughly using high-pressure cleaner (>250bars)	<input type="checkbox"/>	<input type="checkbox"/>
Pump and hose lubricated with cement mixture	<input type="checkbox"/>	<input type="checkbox"/>
Mixer wetted before grouting	<input type="checkbox"/>	<input type="checkbox"/>

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Material information					
Name of the product		Batch number			
Temperature measurements					
Ambient temperature		Time:	Substrate temperature (steel)		Time:
Water temperature		Time:	Pump hose temperature		Time:
Powder temperature		Time:	Mixed grout temperature		Time:
Substrate temperature (concrete)		Time:	Comments:		
Application details					
Mixing duration (min)			Water quantity in the mixture (lt / 25kg bag) - (lt / 500kg bag)		
Time (Start of grouting)			Time (End of grouting)		
Quality tests					
Consistency tests / Test specimen production				Yes	No
Test specimen series A (3 items, start)	Time of production		Segregation	<input type="checkbox"/>	<input type="checkbox"/>
	Mixed grout temperature		Bleeding	<input type="checkbox"/>	<input type="checkbox"/>
Specimen size	Flow (cm)	Average	Homogeneity	<input type="checkbox"/>	<input type="checkbox"/>
			Comments:		
Test specimen series B (3 items, mid)	Time of production		Segregation	<input type="checkbox"/>	<input type="checkbox"/>
	Mixed grout temperature		Bleeding	<input type="checkbox"/>	<input type="checkbox"/>
Specimen size	Flow (cm)	Average	Homogeneity	<input type="checkbox"/>	<input type="checkbox"/>
			Comments:		
Test specimen series C (3 items, end)	Time of production		Segregation	<input type="checkbox"/>	<input type="checkbox"/>
	Mixed grout temperature		Bleeding	<input type="checkbox"/>	<input type="checkbox"/>
Specimen size	Flow (cm)	Average	Homogeneity	<input type="checkbox"/>	<input type="checkbox"/>
			Comments:		

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Controls after grouting application				
Total grout used (Consumption) (kg - bags)				
Curing application	Yes	No		
	<input type="checkbox"/>	<input type="checkbox"/>		
Curing compound name				
Curing compound consumption				
Grout control after application	After completion	Day 1	Day 2	Day 3
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waterproofing of grout	Yes	No		
	<input type="checkbox"/>	<input type="checkbox"/>		
Waterproofing material name				
Waterproofing material consumption				

Additional comments

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Project manager (Contractor / Subcontractor)

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Sika Approved  
Applicator