



SORT LIST

Aggregates for concrete (DS EN 12620)			07 CE 1537			
Company: RSA Rekefjord Stone AS Immerstein 38 Rekefjord N – 4380 Hauge i Dalane			Date: 27.12.2007	Page No.: 1 of 2		
			Natural aggregates Typ of petrography: Anorthosit			
Plant:	Rekefjord	Report no.: 3048 / 3a / 07				
Certificat no.:	1537 – 3048 – 01b – BPR – 06.2007					
Description of the products						
No.	1	2	3	4	5	
Sort number	0/2	2/5	5/8	8/11	11/16	
Grading	0/2	2/5	5/8	8/11	11/16	
Partical size	G _F 85	G _C 85/20	G _C 85/20	G _C 85/20	G _C 85/20	
Coarseness (passing by 0,5 mm)	CP	-	-	-	-	
Fineness modulus	CF	-	-	-	-	
Fines	f ₁₀	f _{1,5}	f _{1,5}	f _{1,5}	f _{1,5}	
Shape index	--*)	Sl ₂₀	Sl ₂₀	Sl ₂₀	Sl ₂₀	
Flakiness index	--*)	Fl ₂₀	Fl ₂₀	Fl ₂₀	Fl ₂₀	
Crushed and broken surface	--*)	C _{100/0}	C _{100/0}	C _{100/0}	C _{100/0}	
Los-Angeles coefficient	--*)	--*)	--*)	LA ₂₅	LA ₂₅	
Impact value	--*)	--*)	--*)	SZ ₂₆	--*)	
Micro-Deval value	--*)	--*)	--*)	--*)	--*)	
Polished stone value	--*)	--*)	--*)	--*)	--*)	
Durability against freeze/thaw	--*)	F ₁	F ₁	F ₁	F ₁	
Durability against freeze/thaw-salt (tested with 1 % NaCl-solution)	--*)	passed	passed	passed	passed	
Durability against freeze/thaw-salt (Magnesium sulfate soundness)	--*)	MS ₁₈	MS ₁₈	MS ₁₈	MS ₁₈	
Alkali-silica-reactivity (Germany) (mortar-quick-test; DAFstb)	E I **) (--)	E I **) (--)	E I **) (--)	E I **) (E I-S)	E I **) (E I-S)	
Alkali-kisel-reaktivty (ASTM C 1260)	< 0,1 %	< 0,1 %	< 0,1 %	< 0,1 %	< 0,1 %	
Density ρ _{rd}	2,75 Mg/m ³	2,73 Mg/m ³	2,73 Mg/m ³	--*)	--*)	
Water absorbtion	0,07 M.-%	0,04 M.-%	0,05 M.-%	--*)	--*)	
Water soluble chloride	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001	
Equivalent alkali content	< 0,00087	< 0,00087	< 0,00087	< 0,00087	< 0,00087	
Acid-soluble sulfate	AS _{0,2}	--*)	--*)	--*)	--*)	
Total sulfur	passed, ≤ 1 M.-%	--*)	--*)	--*)	--*)	
Constituents, which alter the rate of setting and hardening of concrete	passed	passed	passed	--*)	--*)	
Coarse lightweight contaminators	0,00 M.-%	0,00 M.-%	0,00 M.-%	0,00 M.-%	0,00 M.-%	
Assement of fines (MB)	0,5	--*)	--*)	--*)	--*)	
Calcium carbonat content	--*)	--*)	--*)	--*)	--*)	
*) no performance determined						
**) By using the concrete for road construction remark the ARS Nr. 12/2006 vom 17.05.2006 "Vermeidung von Schäden an Fahrbahndecken aus Beton in Folge von Alkali-Kieselsäure-Reaktion (AKR)".						
Declarations to typical grading						
Fine aggregates						
No.	Grading	Tolerances on producers declared typical grading Percentage passing the sieves (mm) by M.-%				Tolerances (tab. 4)
		0,063	0,250	1	2	
1	0/2	5	25	50	94	--
Coarse aggregates						
No.	Grading	mid-size sieve in mm	Tolerances on producers declared typical grading (tab. 3)			
-	-	-	-			

SORT LIST

Aggregates for concrete (DS EN 12620)		07 CE 1537	U Alkali- Richtlinie PST			
Company: RSA Rekefjord Stone AS Immerstein 38 Rekefjord N – 4380 Hauge i Dalane		Date: 27.12.2007	Page No.: 2 of 2			
		Natural aggregates Typ of petrography: Anorthosit				
Plant:	Rekefjord	Report no.: 3048 / 3a / 07				
Certificat no.:	1537 – 3048 – 01b – BPR – 06.2007					
Description of the products						
No.	6	7	8	9	10	
Sort number	16/22	8/16				
Grading	16/22	8/16				
Partical size	G _C 85/20	G _C 85/20				
Coarseness (passing by 0,5 mm)	--	--				
Fineness modulus	--	--				
Fines	f _{1,5}	f _{1,5}				
Shape index	Sl ₂₀	Sl ₂₀				
Flakiness index	Fl ₂₀	Fl ₂₀				
Crushed and broken surface	C _{100/0}	C _{100/0}				
Los-Angeles coefficient	--*)	--*)				
Impact value	--*)	--*)				
Micro-Deval value	--*)	--*)				
Polished stone value	--*)	--*)				
Durability against freeze/thaw	F ₁	F ₁				
Durability against freeze/thaw-salt (tested with 1 % NaCl-solution)	passed	passed				
Durability against freeze/thaw-salt (Magnesium sulfate soundness)	MS ₁₈	MS ₁₈				
Alkali-silica-reactivity (Germany) (mortar-quick-test; DAfStb)	E I ** (--)	E I ** (--)				
Alkali-kisel-reaktivty (ASTM C 1260)	< 0,1 %	< 0,1 %				
Density ρ _{rd}	2,74 Mg/m ³	2,73 Mg/m ³				
Water absorbtion	0,04 M.-%	0,05 M.-%				
Water soluble chloride	< 0,001	< 0,001				
Equivalent alkali content	< 0,00087	< 0,00087				
Acid-soluble sulfate	--*)	--*)				
Total sulfur	--*)	--*)				
Constituents, which alter the rate of setting and hardening of concrete	passed	passed				
Coarse lightweight contaminators	0,00 M.-%	0,00 M.-%				
Assement of fines (MB	--*)	--*)				
Calcium carbonat content	--*)	--*)				
*) no performance determined						
**) By using the concrete for road construction remark the ARS Nr. 12/2006 vom 17.05.2006 "Vermeidung von Schäden an Fahrbahndecken aus Beton in Folge von Alkali-Kieselsäure-Reaktion (AKR)".						
Declarations to typical grading						
Fine aggregates						
No.	Grading	Tolerances on producers declared typical grading Percentage passing the sieves (mm) by M.-%				Tolerances (tab. 4)
		0,063	0,250	1	2	
-	-	-	-	-	-	-
Coarse aggregates						
No.	Grading	mid-size sieve in mm	Tolerances on producers declared typical grading (tab. 3)			
-	-	-	-			