

Declaration of performance

Type of product:

Aggregates of blast furnace slag.

Designation of product:

Hyttsten 0/16, Hyttsten 0/32 och Hyttsten 0/63.

Intended use:

Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction.

Manufacturer:

Company: SSAB Merox AB
SE-613 80 Oxelösund
SWEDEN
Telephone: +46 155 25 44 00
Homepage: www.merox.se

System or systems of evaluation and verification of constancy

of performance: Hyttsten 0/16, Hyttsten 0/32 and Hyttsten 0/63: system 4

Notified body: -

Nr. of notified body: -

Essential characteristics	Performance	Test standard	Harmonized technical specification
Particle size	0/16 0/32 0/63		SS-EN 13242
Grading	G _A 85	EN 933-1	
Particle shape	NPD		
Particle density	NPD*		
Cleanliness			
Fines content	f ₇	EN 933-1	
Fines quality	NPD		
Percentage of crushed particles/broken surfaces	NPD		
Resistance to fragmentation/crushing (test size range 10/14 mm)	LA ₃₀	EN 1097-2	
Volume stability: Dicalcium silicate disintegration of air cooled			

blast furnace slag	NPD*		SS-EN 13242
Iron disintegration of air cooled blast furnace slag	NPD*		
Water absorption	NPD*		
Composition/content:			
Classification of coarse recycled aggregate	NPD		
Water soluble sulfates of recycled aggregate	NPD		
Acid soluble sulfates	AS _{1,0}	EN 1744-1	
Total sulfur	S ₂	EN 1744-1	
Constituents which alter the rate of setting and hardening of hydraulically bound mixtures	NPD		
Resistance to wear of coarse aggregate (test size range 10/14 mm)	M _{DE20}	EN 1097-1	
Emission of radioactivity	NPD		
Release of heavy metals	NPD**		
Release of polyaromatic carbons	NPD		
Release of other dangerous substances	NPD		
Durability against freeze-thaw	NPD*		

Cleanliness:			SS-EN 13285
Minimum fines content	LF ₂	EN 933-1	
Maximum fines content	UF ₇	EN 933-1	
Oversize	OC ₈₅	EN 933-1	
Overall grading	G _C	EN 933-1	
Laboratory dry density	NPD*		
Optimum water content	NPD*		
Water soluble sulphate content	NPD*		
Thermal conductivity	NPD*		
Total content test	NPD**		

* Analyzed once in 2008 – The analyzed result can be obtained on request.

** Analyzed once a year– The analyzed result can be obtained on request.

Declared grading for 0/16 according to SS-EN 13285.

Sieve size (mm)	0,063	0,5	1	2	4	8	16	22,4	31,5
	Percentage passing by mass								
Upper limit	7	35	45	60	75	90	99	100	-
Upper limit (Own)	7	23	35	49	66	90	99	100	-
Target value (Declared typical curve)	4	18	26	38	55	79	99	100	-
Lower limit (Own)	2	13	17	27	44	68	85	100	-
Lower limit	2	8	13	20	30	50	85	100	-

Declared grading for 0/32 according to SS-EN 13285.

Sieve size (mm)	0,063	0,5	1	2	4	8	16	31,5	44	63
	Percentage passing by mass									
Upper limit	7	25	35	45	60	75	90	99	100	-
Upper limit (Own)	7	16	23	35	49	66	90	99	100	-
Target value (Declared typical curve)	4	11	18	26	38	55	79	99	100	-
Lower limit (Own)	2	6	13	17	27	44	68	85	100	-
Lower limit	2	5	8	13	20	30	50	85	100	-

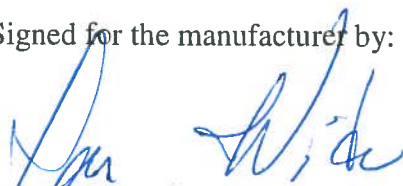
Declared grading for 0/63 according to SS-EN 13285.

Sieve size (mm)	0,063	1	2	4	8	16	31,5	63	88,2	125
	Percentage passing by mass									
Upper limit	7	25	35	45	60	75	90	99	100	-
Upper limit (Own)	7	16	23	35	49	66	90	99	100	-
Target value (Declared typical curve)	4	11	18	26	38	55	79	99	100	-
Lower limit (Own)	2	6	13	17	27	44	68	85	100	-
Lower limit	2	5	8	13	20	30	50	85	100	-

The performances of the presented products are in conformity with the declared characteristics listed in the table above.

This declaration of performance is issued under the sole responsibility of the above manufacturer.

Signed for the manufacturer by:



.....
Jan Wide, Senior Manager Business Area South
SSAB Merox AB

Oxelösund 24/3-2017

.....
Place and date