

Product specification

Hyttsten 0/125 mm

Type L (low density)

Issue: 03

Date: May 12, 2010

Field of application

Sub-base in road constructions.

For more information, see our web site.

Origin

Air-cooled blast-furnace slag. **Hyttsten** is the Swedish trade name for the all-purpose aggregate, known as ACBFS (air-cooled blast furnace slag) in the US and Canada and ABS in the EU.

Specific properties

The product has low bulk density, high friction, and creates cement-like bindings which become stronger over time.

Handling advice

In order to increase packing density and cement bindings, we recommend that you water the Hyttsten when laying it.

Health and environmental impact

See safety data sheet.

Quality assurance

The material is piled up during manufacturing to avoid segregation. The product is handled in batches. A batch weighs about 20,000 tons and inspection/adjustment of the product takes place when production begins and every 10,000 tons.

Chemical analysis [percentage by weight]

Analysis	Guiding value
SiO ₂	33
CaO	32,5
MgO	16,5
Al ₂ O ₃	12,5
TiO ₂	2,3
S	1,1
MnO	0,3
FeO	0,2

Physical analysis/properties

Bulk density approx. 1,28 kg/dm³

Micro Deval <30 (M_{DE} 35)

Thermal conductivity

(SP report P902992)

Humidity kg/kg	Thermal conductivity W/(m·K)
0,093	0,68



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Particle size distribution (PSD), Hyttsten 0/125

Sieve size mm	0,063	1	4	16	31,5	45	63	125	180
Max. Upper value%	7	22	40	64	90	98	-	-	-
Min. Lower value%	-	-	2	14	28	35	43	80	100

Remark: Particle size distribution is defined by Swedish Transport Administration VV Publ 2009:160.

