

# Technical properties

## BRÄNNHULT GRANITE (DIABASE)

Technical properties	Standard	Unit	
Compressive strength	EN 1926	Mpa	244
Flexural strength	EN 12372	Mpa	26,5
Abrasion resistance, Böhme	DIN 52 108 1)	cm <sup>3</sup> /50 cm <sup>2</sup>	6,0
Abrasion resistance, Böhme	EN 14157 2)	mm <sup>3</sup>	5984
Water absorption	EN 13755	weight %	<0,1
Apparent density	EN 1936	kg/m <sup>3</sup>	2970
Breaking load at dowel holes	EN 13364	N	4350
Slip resistance, honed surface	EN 14231	SRV, dry	49
Slip resistance, honed surface	EN 14231	SRV, wet	14
Rupture energy, Thickness: 21 mm	EN 14158	J	3,0
Petrographic composition	EN 12407*		
Plagioclase		%	61
Pyroxene		%	23
Quartz		%	7
Biotite		%	5

*Tested by SP, Swedish National Testing and Research Institute*

\* Only main components

1) Based on thickness measurement

2) Based on weight measurement