

Description	Green Lightning® Olivine is a magnesium iron silicate. It is the industrial mineral with the highest magnesium content. Green Lightning® is produced from “Dunite rock”, has a sandy structure and does not contain free silica.		
Applications	Abrasive blast cleaning, foundry sand, refractory, abrasive in water jet cutting industry, welding electrodes, facade cleaning.		
Properties	Shape	:	sub-angular to angular
	Colour	:	pale green
	Hardness	:	6,5 - 7 Mohs
	Specific density	:	3,3 kg/dm ³
	Bulk density	:	1,7 kg/dm ³
	Conductivity	:	less than 15 mS/m
	Water soluble chlorides	:	less than 0.001% (m/m)
Chemical analysis (indication only)	MgO	:	48,80 - 49,70 %
	SiO ₂	:	41,50 - 41,90 % in bound form, <1% free silica
	Fe ₂ O ₃	:	7,30 - 7,60 %
	Al ₂ O ₃	:	0,40 - 0,50 %
	CaO	:	0,05 - 0,10 %
	Cr ₂ O ₃	:	0,31 - 0,66 %
	MnO	:	0,05 - 0,10 %
	NiO	:	0,31 - 0,32 %
	Loss on Ignition (Loi)	:	< 1 %
Grain sizes	GL 100	0,50 - 2,00 mm	
	GL 80	0,20 - 1,40 mm	
	GL 70	0,20 - 1,20 mm	
	GL 60	0,10 - 0,80 mm	
	GL 50	0,10 - 0,50 mm	
	GL 40	0,063 - 0,25 mm	
	GL 30	0,063 - 0,18 mm	
Packing	– In paper bags of 25 kg on shrinkfoiled pallets of 1000 kg. – In woven polypropylene big bags.		
ISO	Quality System Certificate ISO-9001 : 2008, Certificate no. 800115. Product standards ISO 11126-8 and 11127.		