



GRANUMLUX
Granite Selection

Properties of materials

Granite Bluish Grey Mangualde #4

Macroscopic Description	Granite of two micas, with light blue-grey colour, homogeny, compact and reasonably healthy.	
Resistance mechanics to the compression	2412 kg/cm ²	237 MPa
Waited minium value	2356 kg/cm ²	231 MPa
Resistance mechanics to the compression after gelivity test	2395 kg/cm ²	235 MPa
Waited minium value	2242 kg/cm ²	220 MPa
Flexural Strength	205 kg/cm ²	20,1 MPa
Waited minium value	186 kg/cm ²	18,2 MPa
Resistance mechanics to the flexion after gelivity test	198 kg/cm ²	19,4 MPa
Waited minium value	182 kg/cm ²	17,9 MPa
Water absorption at normal atmospheric pressure	0,2%	
Resistance to the Capon consuming	18,5 mm	
Resistance to the landslide	42USRV	
Resistance to the aging through thermal shock	No performance determined	
Petrography study	Granite of two micas, medium grain, light grey colour, homogeny, compact, relatively healthy with a small foliation, defined by the tendency for one orientation sub parallel of the micas. The quartz is grey, transparent anf forms rounded grain and aggregates that, usually have 2mm, but, sometimes can have until 4 to 5 mm. The feldspars are white or light yellow and forms long crystais and aggregates that, usually, have 4 to 5 mm but, sometimes, can have until 10mmx5mm. The biotitic has black colour rand long forms that, usually have 2mm to 3 mm, but can have until 5mm. The muscovile forms separated silver crystals that usually don't have more than 2mm to 3mm.	
Resistance to Ice	No performance determined	