

FILSTONE BEIJE ML LIGHT

Technical Information

Location

Casal Farto, Fátima, Ourém, Santarém,
Portugal

Company

Filstone - Comércio de Rochas, SA

Type/Granulometry

Limestone, Fine/Medium Grain

Mineralogy

Peloids and oolites (40%)

Bioclasts (15%)

Sparitic cement (45%)

Physical-Mechanical

Apparent density measurement

2520,00 Kg/m³

Open porosity measurement

6,50 %

Water absorption measurement at normal
atmospheric pressure

2,40 %

Water absorption coefficient by capillarity

9,16 g/m². s^{0,5}

Uniaxial compressive strength in
dry conditions

123,90 MPa

Uniaxial compressive strength after
freeze/thaw test

84,50 MPa

Flexural strength under central load in
dry conditions

16,70 MPa

Flexural strength under central load after
freeze/thaw test

12,70 MPa

Flexural strength under central load after
thermal shock

14,90 MPa

Percentage of volume change after
168 frost cycles

5,00 %

Breaking load at dowel hole

1750,00 N

Sound speed propagation

5,33 Km/s

Rupture energy

3,00 J

Abrasion resistance

22,00 mm

Slip resistance in dry conditions - Sawn

58,00 (coefficient of friction * 100)

Slip resistance in wet conditions - Sawn

59,00 (coefficient of friction * 100)