

CE

SADAS Ltd.
42Г Gotse Delchev Str., Sofia, Bulgaria

18
81175/18.05.2018

EN 1469:2015

Natural stone slabs from limestone processed with epoxy resin,
 from quarry Village Kunino, Municipality Roman, Region Vratsa
 for internal or external finishes in walls or ceilings
„BEIGE MARBLE “KUNA ROMANA”

Reaction to fire	Class A1
Release of dangerous substances	
- Index of specific activity	NPD
Water vapor permeability (μ)	NPD
Flexural strength under concentrated load:	
- minimum expected value	13,9 MPa
- mean strength	15,5 MPa
- standard deviation of the mean	0,8 MPa
Breaking load at dowel hole:	NPD
Resistance to ageing by thermal shock:	NPD
Apparent density	2690 kg/m ³
Water absorption at atmospheric pressure	1,3 %
Water absorption coefficient by capillarity	1,39 g/m ² .s ^{0.5}
Freeze/thaw resistance. Reduction of flexural strength under concentrated load:	
- after 12 cycles	No reduction of strength
- after 48 cycles	No reduction of strength



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81175/18.05.2018

EN 1341:2012

Natural stone slabs from limestone processed with epoxy resin,
 from quarry Village Kunino, Municipality Roman, Region Vratsa
 for external uses and road finishes to cover external pedestrian circulation areas
„BEIGE MARBLE “KUNA ROMANA”

Flexural strength under concentrated load:	
- minimum expected value	13,9 MPa
- mean strength	15,5 MPa
- standard deviation of the mean	0,8 MPa
Abrasion resistance:	
- with wide wheel abrasion machine	NPD
- with Böhme tester	20 cm ³ /50 cm ²
Slip/skid resistance	NPD
Apparent density	2690 kg/m ³
Water absorption at atmospheric pressure	1,3 %
Water absorption coefficient by capillarity	1,39 g/m ² .s ^{0.5}
Freeze/thaw resistance. Reduction of flexural strength under concentrated load:	
- after 12 cycles	No reduction of strength
- after 48 cycles	No reduction of strength

CE

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42Г Gotse Delchev Str., Sofia, Bulgaria

18

81175/18.05.2018

EN 12058:2015

Natural stone slabs from limestone processed with epoxy resin,
 from quarry Village Kunino, Municipality Roman, Region Vratsa
 for internal and external use as floor and stair finishes
„BEIGE MARBLE “KUNA ROMANA”

Reaction to fire	Class A1
Flexural strength under concentrated load: - minimum expected value - mean strength - standard deviation of the mean	13,9 MPa 15,5 MPa 0,8 MPa
Thermal properties: - apparent density - thermal conductivity	2280 kg/m ³ 1,80 W/m.K
Abrasion resistance: - with wide wheel abrasion machine - with Böhme tester	NPD 20 cm ³ /50 cm ²
Slip/skid resistance	NPD
Resistance to ageing by thermal shock:	NPD
Apparent density	2690 kg/m ³
Water absorption at atmospheric pressure	1,3 %
Water absorption coefficient by capillarity	1,39 g/m ² .s ^{0.5}
Freeze/thaw resistance. Reduction of flexural strength under concentrated load: - after 12 cycles - after 48 cycles	No reduction of strength No reduction of strength