

stone**tun**

COMPOSITE STONE SECTOR

stone**tun**

The path of stone



All **stonetun** products are suitable for use in the composite stone industry. With their white colour and ideal particle size distribution, our products offer many advantages for users. All **stonetun** products are produced in mines located in the Çine-Milas region and owned by KALTUN MADENCİLİK SAN. TİC. A.Ş. All **stonetun** products are manufactured, prepared and transported in accordance with the KALTUN quality management system and checked periodically.

kaltun
MINING COMPANY

PLACE OF PRODUCTION : Çine - Aydın / TURKEY
PORT OF LOADING : İzmir or Güllük
TYPE OF PACKAGING : Bulk, big bag or paper bag

adman dream partner



The analysis results are average values derived from various measurements and are intended as general information only. Please contact us for details.

HEALTH RISK WARNING

Frequent inhaling of dust may lead in the short term to coughing, and in the long term to silicosis, which is a chronic disease caused by dust particles adhering to the surface of the lungs. Data from animals demonstrate that it causes cancer.

HEADQUARTERS

Aydın - Muğla Karayolu Kenan Çine - Aydın / TURKEY
Tel: +90 (256) 729 16 00 Pbx Fax: +90 (256) 729 16 15 kaltun@kaltun.com.tr

kaltun.com.tr

● Aydın ★ Çine (Kaltun) ▲ Güllük port ● İzmir port



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MINING COMPANY

■ Typical Chemical Properties

Sodium Feldspar

| PRODUCT NAME | PRODUCT CODE | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | TiO ₂ | CaO | MgO | Na ₂ O | K ₂ O | P ₂ O ₅ | L.O.I |
|--------------|--------------|------------------|--------------------------------|--------------------------------|------------------|------|------|-------------------|------------------|-------------------------------|-------|
| S.FLT.300.EX | KS.63.G.0301 | 69,23 | 19,00 | 0,01 | 0,02 | 0,42 | 0,07 | 11,00 | 0,10 | 0,00 | 0,15 |
| S.FLT.200.EX | KS.63.G.0201 | 69,23 | 19,00 | 0,01 | 0,02 | 0,42 | 0,07 | 11,00 | 0,10 | 0,00 | 0,15 |
| S.FLT.45.EX | KS.91.M.0045 | 69,23 | 19,00 | 0,01 | 0,02 | 0,42 | 0,07 | 11,00 | 0,10 | 0,00 | 0,15 |

■ Typical Chemical Properties

Quartz

| PRODUCT NAME | PRODUCT CODE | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | TiO ₂ | CaO | MgO | Na ₂ O | K ₂ O | P ₂ O ₅ | L.O.I |
|--------------|--------------|------------------|--------------------------------|--------------------------------|------------------|------|------|-------------------|------------------|-------------------------------|-------|
| Q.-4000+2500 | KK.10.G.4025 | 99,31 | 0,34 | 0,020 | - | 0,03 | 0,02 | 0,16 | 0,02 | - | 0,10 |
| Q.-2500+1200 | KK.10.G.2512 | 99,28 | 0,36 | 0,022 | - | 0,03 | 0,02 | 0,17 | 0,02 | - | 0,10 |
| Q.-1200+500 | KK.10.G.1205 | 99,25 | 0,38 | 0,023 | - | 0,03 | 0,02 | 0,18 | 0,02 | - | 0,10 |
| Q.-700+300 | KK.10.G.0703 | 99,23 | 0,39 | 0,024 | - | 0,03 | 0,02 | 0,19 | 0,02 | - | 0,10 |
| Q.-500+100 | KK.10.G.0501 | 99,20 | 0,41 | 0,025 | - | 0,03 | 0,02 | 0,20 | 0,02 | - | 0,10 |
| Q.-300+100 | KK.10.G.0301 | 99,20 | 0,41 | 0,025 | - | 0,03 | 0,02 | 0,20 | 0,02 | - | 0,10 |
| Q.45 | KK.20.M.0045 | 99,03 | 0,55 | 0,030 | - | 0,04 | 0,01 | 0,12 | 0,10 | - | 0,12 |
| Q.38 | KK.20.M.0038 | 99,03 | 0,55 | 0,030 | - | 0,04 | 0,01 | 0,12 | 0,10 | - | 0,12 |

■ Particle Size Distribution & Typical Physical Properties

Sodium Feldspar

| PRODUCT NAME | PRODUCT CODE | Sieve Analysis - (cumulative) % | | | | Malvern (MS2000) μ m | | | Color (Erepho 450) D(65/10) | | | Humidity % | Density g/cm ³ | Mohs Hardness |
|--------------|--------------|---------------------------------------|-----------|---------|---------|--------------------------|-------|-------|-----------------------------|-----|-----|------------|---------------------------|---------------|
| | | +0,5 mm | +0,425 mm | +0,1 mm | -0,1 mm | D10 | D50 | D97 | L | a | b | | | |
| S.FLT.300.EX | KS.63.G.0301 | 0,0 | 0,5 | 98,0 | 2,0 | 135,0 | 265,0 | 580,0 | 91,5 | 0,5 | 4,5 | 0,2 | 2,6 | 6 |
| | | +0,3 mm +0,212 mm +0,083 mm -0,063 mm | | | | D10 | D50 | D97 | L | a | b | | | |
| S.FLT.200.EX | KS.63.G.0201 | 0,0 | 0,5 | 95,0 | 5,0 | 75,0 | 140,0 | 250,0 | 92,5 | 0,4 | 4,3 | 0,2 | 2,6 | 6 |
| | | +0,45 mm | | | | D10 | D50 | D97 | L | a | b | | | |
| S.FLT.45.EX | KS.91.M.0045 | 1,0 | - | - | - | 4,3 | 17,0 | 53,0 | 97,0 | 0,1 | 1,4 | 0,2 | 2,6 | 6 |

■ Particle Size Distribution & Typical Physical Properties

Quartz

| PRODUCT NAME | PRODUCT CODE | Sieve Analysis - (cumulative) % | | | | Malvern (MS2000) μ m | | | Color (Erepho 450) D(65/10) | | | Humidity % | Density g/cm ³ | Mohs Hardness |
|--------------|--------------|---------------------------------|---------|---------|---------|--------------------------|------|------|-----------------------------|-----|-----|------------|---------------------------|---------------|
| | | +0,5 mm | +4,0 mm | +2,5 mm | -2,5 mm | D10 | D50 | D97 | L | a | b | | | |
| Q.-4000+2500 | KK.10.G.4025 | 0,0 | 4,0 | 95,0 | 5,0 | - | - | - | 78,0 | 1,2 | 4,0 | 0,2 | 2,65 | 7 |
| | | +3,0 mm +2,5 mm +1,2 mm -1,2 mm | | | | | | | L | a | b | | | |
| Q.-2500+1200 | KK.10.G.2512 | 0,0 | 2,0 | 97,0 | 3,0 | - | - | - | 80,0 | 1,3 | 4,0 | 0,2 | 2,65 | 7 |
| | | +1,6 mm +1,2 mm +0,5 mm -0,5 mm | | | | | | | L | a | b | | | |
| Q.-1200+500 | KK.10.G.1205 | 0,0 | 1,0 | 98,0 | 2,0 | - | - | - | 83,0 | 1,2 | 3,9 | 0,2 | 2,65 | 7 |
| | | +1,0 mm +0,7 mm +0,3 mm -0,3 mm | | | | | | | L | a | b | | | |
| Q.-700+300 | KK.10.G.0703 | 0,0 | 0,5 | 96,0 | 4,0 | - | - | - | 85,0 | 1,0 | 3,7 | 0,2 | 2,65 | 7 |
| | | +0,5 mm +0,4 mm +0,1 mm -0,1 mm | | | | | | | L | a | b | | | |
| Q.-500+100 | KK.10.G.0501 | 0,1 | 7,0 | 96,0 | 4,0 | - | - | - | 88,5 | 0,7 | 3,7 | 0,2 | 2,65 | 7 |
| | | +0,5 mm +0,3 mm +0,1 mm -0,1 mm | | | | | | | L | a | b | | | |
| Q.-300+100 | KK.10.G.0301 | 0,0 | 1,5 | 96,0 | 4,0 | - | - | - | 89,0 | 0,7 | 3,5 | 0,2 | 2,65 | 7 |
| | | +0,045 mm | | | | D10 | D50 | D97 | L | a | b | | | |
| Q.45 | KK.20.M.0045 | 1,0 | - | - | - | 3,6 | 16,0 | 51,5 | 96,7 | 0,1 | 1,6 | 0,2 | 2,65 | 7 |
| Q.38 | KK.20.M.0038 | +0,038 mm | | | | D10 | D50 | D97 | L | a | b | | | |
| | | 1,5 | - | - | - | 3,0 | 12,0 | 45,0 | 97,0 | 0,1 | 1,5 | 0,2 | 2,65 | 7 |

