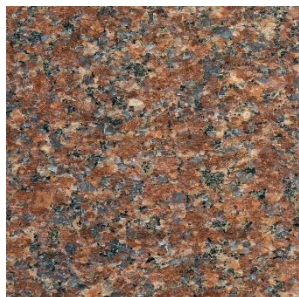
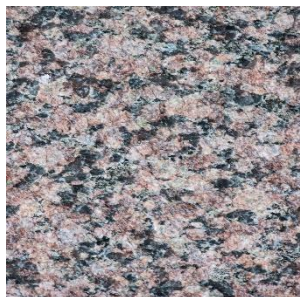


TRANAS Classic



Polished



Flamed



Bush-hammered

Location: Smaland, Sweden

Geo coordinates: WGS84 dec 58.082001 14.900094

| Technical properties | Value | Unit | Standard |
|--|---|--------------------|-----------|
| Compressive strength | Average: 223 Standard deviation: 25 Lower expected value: 171 | Mpa | EN 1926 |
| Flexural strength | Average: 11,5 Standard deviation: 0,7 Lower expected value: 10,1 | Mpa | EN 12372 |
| Frost resistance incl. flexural strength | Ultrasonic speed change: -3,8 Weight change: 0,03 Flexural strength change after: 11 Flexural strength change : -4,3 | % % Mpa % | EN 12371 |
| Abrasion resistance (thickness based) | Average: 5,2 | Cm/50 cm | DIN 52108 |
| Abrasion resistance (weight based) | Average: 5211 | Mm3 | EN 14157 |
| Water absorption | Average: 0,11 | Weight % | EN 13755 |
| Apparent density | Average: 2640 | Kg /m ³ | EN 1936 |
| Breaking load at dowel holes | Average: 2650 | N | EN 13364 |
| Slip resistance, honed surface (dry) | Average: 64 | SRV | EN 14231 |
| Slip resistance, honed surface (wet) | Average: 45 | SRV | EN 14231 |
| Rupture energy | Average: | J | EN 14158 |

| Petrographic composition: | Standard: EN 12407 | Value: |
|---------------------------|--------------------|--------|
| Potassium feldspar | | 41 % |
| Plagioclase | | 20 % |
| Qvarz | | 36 % |
| Chlorite | | 2 % |

Tested by: RISE Research Institutes of Sweden AB