

Danielskuil Steenwerke BK
Grading Analysis of Aggregates
SABS Method 829

Date: **15/9/2020** PLANT/SITE: **DANIELSKUIL**
 Sampel Description: **SHOTCRETE**

(Mechanically Produced Sand)

| 1 | 2 | 3 | 4 | 5 | % Passing specification | |
|--------------------------------------|---------------|-------------------|-----------------|-----------|-------------------------|-----|
| Sieve Size mm | Mass Retained | % Retained | Cum. % Retained | % Passing | | |
| 4750 | 15.7 | 2.99 | 2.99 | 97.01 | 90 | 100 |
| 2360 | 55 | 10.46 | 13.44 | 86.56 | 60 | 100 |
| 1180 | 108.4 | 20.61 | 34.06 | 65.94 | 40 | 80 |
| 0.6 | 111.6 | 21.22 | 55.28 | 44.72 | 30 | 60 |
| 0.3 | 80.5 | 15.31 | 70.58 | 29.42 | 20 | 40 |
| 0.15 | 81.3 | 15.46 | 86.04 | 13.96 | 10 | 25 |
| 0.075 | 25.5 | 4.85 | 90.89 | 9.11 | 8 | 15 |
| PAN A | 2.1 | | | | | |
| Pan (A + B) | 47.9 | 9.11 | | | | |
| Total | 525.9 | 100 | | | | |
| FM | 2.62 | | | | | |
| Wet Mass | 600 | | | | | |
| Mass Of Dry Sand (A) | 525.40 | | | | | |
| Mass of washed dry sand (B) | 479.6 | ACCEPTANCE LIMITS | | | | |
| Dust washed out (add to pan) (A - B) | 45.80 | | | | | |
| RD | 2.72 | | | | | |

SIEVE ANALYSIS

