



# WELL PACK MEDIA

**Red Flint Sand and Gravel has produced well pack products for use in municipal, environmental, irrigation, and industrial water wells since 1917. Red Flint well pack products are manufactured to meet exacting size and uniformity specifications.**

Red Flint's sub-angular/sub-round shaped gravel or well pack holds the natural formation in place and prevents fines from entering the well. The uniformity and high porosity of our well pack provides for optimal well production.

Red Flint well pack is specially sized to correlate with the slot size opening of the well screen. This creates a hassle-free selection process for our well pack customers.

Packaging is available in 50 lb. and 100 lb. poly bags, and supersacks up to 4,000 lbs.



| WELL PACK MEDIA - ROCKINGHAM, NC |                               |
|----------------------------------|-------------------------------|
| Parameter                        | Description                   |
| Physical Form                    | White, sub-angular            |
| Bulk Density                     | ~ 90 lbs. per cubic foot      |
| Hardness (Mohs Scale)            | 6.0 - 7.0                     |
| Effective Size Range             | 0.20 - 0.30 to 2.00 - 3.00 mm |
| Uniformity Coefficient           | 1.3 to less than 1.7          |
| Acid Solubility                  | < 1.0%                        |
| Specific Gravity                 | > 2.6                         |
| Silicon Dioxide Content          | > 97%                         |
| Loss on Ignition                 | < 1.0%                        |

# TYPICAL SIEVE ANALYSIS



| Gravel Pack Size (well slot) |        | 3/8"x 3/16"         | #120 WS | #90 WS | #80 WS | #60 WS | #50 WS | #40 WS | #30 WS | #20 WS | #15 WS | #10 WS | #7 WS |
|------------------------------|--------|---------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| US Sieve                     | Inches | Percent Passing (%) |         |        |        |        |        |        |        |        |        |        |       |
| 3/8"                         | 0.375  | 98                  | 100     |        |        |        |        |        |        |        |        |        |       |
| 1/4"                         | 0.25   | 31                  | 97      | 100    | 100    |        |        |        |        |        |        |        |       |
| 4                            | 0.187  | 3                   | 67      | 98     | 100    |        |        |        |        |        |        |        |       |
| 5                            | 0.157  | 1                   | 37      | 80     | 87     | 100    |        |        |        |        |        |        |       |
| 6                            | 0.132  | 0                   | 12      | 48     | 55     | 95     | 100    |        |        |        |        |        |       |
| 7                            | 0.111  |                     | 2       | 19     | 26     | 78     | 96     |        |        |        |        |        |       |
| 8                            | 0.094  |                     | 1       | 2      | 10     | 51     | 87     | 100    | 100    |        |        |        |       |
| 10                           | 0.079  |                     | 0       | 0      | 4      | 27     | 67     | 98     | 100    |        |        |        |       |
| 12                           | 0.066  |                     |         | 0      | 1      | 5      | 40     | 88     | 96     |        |        |        |       |
| 14                           | 0.056  |                     |         |        | 0      | 0      | 11     | 55     | 76     | 100    | 100    |        |       |
| 16                           | 0.047  |                     |         |        |        | 0      | 2      | 24     | 54     | 98     | 98     |        |       |
| 18                           | 0.039  |                     |         |        |        |        | 0      | 4      | 30     | 89     | 94     | 100    |       |
| 20                           | 0.033  |                     |         |        |        |        |        | 1      | 7      | 68     | 81     | 100    | 100   |
| 25                           | 0.027  |                     |         |        |        |        |        | 0      | 2      | 39     | 55     | 90     | 100   |
| 30                           | 0.023  |                     |         |        |        |        |        |        | 0      | 13     | 29     | 63     | 99    |
| 35                           | 0.02   |                     |         |        |        |        |        |        |        | 2      | 8      | 33     | 89    |
| 40                           | 0.016  |                     |         |        |        |        |        |        |        | 0      | 1      | 8      | 64    |
| 45                           | 0.014  |                     |         |        |        |        |        |        |        |        | 0      | 1      | 37    |
| 50                           | 0.012  |                     |         |        |        |        |        |        |        |        |        | 0      | 19    |
| 60                           | 0.009  |                     |         |        |        |        |        |        |        |        |        | 0      | 8     |
| 70                           | 0.008  |                     |         |        |        |        |        |        |        |        |        |        | 4     |
| 80                           | 0.007  |                     |         |        |        |        |        |        |        |        |        |        | 2     |

## GRAVEL PACK SIZE RECOMMENDATION

| Screen Slot Size | Red Flint Sand & Gravel | Competitors |
|------------------|-------------------------|-------------|
| 0.010"           | #10 WS                  | 20/40       |
| 0.015"           | #15 WS                  |             |
| 0.020"           | #20 WS                  | 16/30       |
| 0.030"           | #30 WS                  |             |
| 0.040"           | #40 WS                  | 12/20       |
| 0.050"           | #50 WS                  | 8/16        |
| 0.060"           | #60 WS                  | 8/12        |
| 0.080"           | #80 WS                  | 6/9         |
| 0.090"           | #90 WS                  | 6/9         |
| 0.120"           | #120 WS                 |             |

**Fast Lead Times**

**Custom Sizing**

**Low Acid Solubility**

**Highly Uniform**

**High Hydraulic Conductivity**

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