

# TECHNICAL BULLETIN

## Cementitious Grouts

### Product Selector

| Product           | Description   | Aggregate Type | Performance         |             |          |         | Applications          |                                  | Dynamic Loads |        |      |
|-------------------|---|----------------|---------------------|-------------|----------|---------|-----------------------|----------------------------------|---------------|--------|------|
|                   |   |                | Temp Range          | Flowability |          |         | Extended Working Time | Base Plate & Foundation Grouting | Good          | Better | Best |
|                   |   |                |                     | Fluid       | Flowable | Plastic |                       |                                  |               |        |      |
| SikaGrout® 928    | Nonshrink precision grout with extended working time    | Mineral        | 45-90° F (7-32° C)  | •           | •        | •       | •                     | •                                |               | •      |      |
| SikaGrout® 713    | Nonshrink precision grout                               | Mineral        | 50-80° F (10-37° C) | •           | •        | •       |                       | •                                |               | •      |      |
| SikaGrout® 555    | Nonshrink precision grout                               | Mineral        | 50-80° F (10-37° C) |             | •        | •       |                       | •                                | •             |        |      |
| SikaGrout® 885    | Nonshrink precision grout with extended working time    | Metallic       | 45-90° F (7-32° C)  | •           | •        | •       | •                     |                                  |               |        | •    |
| SikaGrout® 4316   | Ultra high strength, hybrid performance precision grout | Mineral        | 35-100° F (2-38° C) |             | •        |         | •                     | •                                |               |        | •    |
| SikaGrout® 110 AN | Anchoring cement  | Mineral        | 40-90° F (4-32° C)  | •           |          |         |                       |                                  | •             |        |      |

(1) Thixotropic flow by PTI definition

**TECHNICAL DATA**

| PROPERTY | 928 | 713 | 555 |
|----------|-----|-----|-----|
|----------|-----|-----|-----|

**Compressive strength, psi (MPa)**

|                              |            |              |            |
|------------------------------|------------|--------------|------------|
| 3 days                       |            |              |            |
| Fluid                        | 4,500 (31) | 3,000 (20.7) | 4,200 (29) |
| Flowable                     | 5,000 (34) | 4,800 (33)   | 4,500 (31) |
| Plastic                      | 6,000 (41) | 5,500 (38)   | 5,800 (40) |
| 28 days                      |            |              |            |
| Fluid                        | 7,500 (52) | 7,000 (48)   | 7,000 (48) |
| Flowable                     | 8,000 (55) | 7,500 (52)   | 7,500 (52) |
| Plastic                      | 9,000 (62) | 8,500 (59)   | 8,500 (59) |
| <b>Working time, minutes</b> | 30-60      | 5-10         | 5-20       |

| PROPERTY | SikaGrout® 885 | SikaGrout® 4316 | SikaGrout® 110 AN |
|----------|----------------|-----------------|-------------------|
|----------|----------------|-----------------|-------------------|

**Compressive strength, psi (MPa)**

|                              |             |                |              |
|------------------------------|-------------|----------------|--------------|
| 3 days                       |             |                |              |
| Fluid                        | 5,000 (34)  | —              | —            |
| Flowable                     | 6,000 (41)  | 10,900 (75.2)  | —            |
| Plastic                      | 9,000 (62)  | —              | —            |
| 28 days                      |             |                |              |
| Fluid                        | 9,000 (62)  | —              | 8,000 (55.2) |
| Flowable                     | 10,000 (69) | 16,700 (115.1) | —            |
| Plastic                      | 11,000 (76) | —              | —            |
| <b>Working time, minutes</b> | 30-60       | 30-60          | 10-12        |

**PACKAGING AND YIELD**

| PROPERTY              | BAG/LBS (KG) | YIELD/FT³ (M³) | PROPERTY                 | BAG/LBS (KG) | YIELD/FT³ (M³) |
|-----------------------|--------------|----------------|--------------------------|--------------|----------------|
| <b>SikaGrout® 928</b> | 55 (25)      | 0.50 (0.014)   | <b>SikaGrout® 885</b>    | 55 (25)      | 0.43 (0.012)   |
| <b>SikaGrout® 713</b> | 55 (25)      | 0.52 (0.015)   | <b>SikaGrout® 4316</b>   | 50 (22.7)    | 0.39 (0.011)   |
| <b>SikaGrout® 555</b> | 50 (22.7)    | 0.42 (0.012)   | <b>SikaGrout® 110 AN</b> | 50 (22.7)    | 0.60 (0.017)   |

**Health, Safety and Environmental**

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting [usa.sika.com](http://usa.sika.com), e-mailing your request to technical service or calling 1(800)433-9517. Use only as directed. IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

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