

## Application Manual for SidleyCel® Cellulose Ether

| Grade                | Viscosity            | Construction                 |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                | Extrusion         |                  | Detergents     |                  |       |             |    |    |    |
|----------------------|----------------------|------------------------------|----------------|-----------|------------|-----------------|-----------|--------------------|---------------------|--------------------------|----------------|----------------------|-----------------------|------------------|-------------|----|------------------------------|-----------------|----------------|-------------------|------------------|----------------|------------------|-------|-------------|----|----|----|
|                      |                      | Cement Based                 |                |           |            |                 |           |                    |                     | Gypsum Based             |                |                      |                       |                  | Latex Based |    |                              |                 |                | Ceramic Extrusion | Cement Extrusion | Washing Powder | Liquid Detergent |       |             |    |    |    |
|                      |                      | Tile Adhesive                |                |           | Tile Grout | Plaster/ Render |           | EIFS/ETIC          |                     | Self Leavlling Compounds | Masonry Mortar | Fire proofing mortar | Water proofing mortar | Plaster          |             |    | Gypsum Filler / Joint Filler | Gypsum Adhesive | Plaster/ Putty |                   |                  |                |                  | Paint | Stone paint |    |    |    |
| Normal Tile Cement   | Standard Tile Cement | High Performance Tile Cement | Cement Plaster | Skim Coat |            | Adhesive        | Base coat | Manual Application | Machine Application |                          |                |                      |                       | Gypsum Finishing |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
| HPMC *               | MPB 40M              | 250-550                      |                |           |            |                 |           |                    |                     | ••                       |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MPB 20N              | 2000-3000                    |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             | •• |    |    |
|                      | MPB 40N              | 3000-4500                    |                |           |            | •               |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       | ••          |    |    |    |
|                      | MPC 20T(S)           | 20000-24000                  |                | •         |            | •               |           |                    |                     |                          |                |                      | •                     | •                | •           |    | •                            |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MPC 30T(S)           | 28000-35000                  |                | •         |            |                 |           |                    |                     |                          |                |                      |                       |                  | •           | •  |                              | •               |                |                   |                  |                |                  |       |             |    | •  |    |
|                      | MPC 40T(S)           | 42000-55000                  | •              |           |            |                 | •         | •                  | •                   | ••                       |                |                      | •                     |                  |             |    | •                            |                 |                |                   |                  |                |                  |       |             |    | •  |    |
|                      | MPC 60T(S)           | 60000-70000                  | •              |           |            |                 | •         | •                  | ••                  | •                        |                |                      | •                     |                  |             |    |                              | •               |                |                   |                  |                |                  |       |             |    |    |    |
| MPC 80T(S)           | ≥75000               |                              |                |           |            |                 |           | •                  |                     |                          |                |                      |                       |                  |             |    | •                            |                 |                |                   |                  |                |                  |       |             |    |    |    |
| HEMC *               | MEC 15T(S)           | 12000-15000                  |                |           |            | •               |           |                    |                     |                          |                |                      |                       |                  |             | •  |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MEC 20T(S)           | 18000-25000                  |                | •         |            | •               |           |                    |                     |                          |                |                      |                       |                  | •           | •  |                              | •               |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MEC 30T(S)           | 28000-35000                  |                | •         |            |                 |           |                    |                     |                          |                |                      |                       | •                | •           |    | •                            |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MEC 40T(S)           | 45000-55000                  | •              |           |            |                 | •         | •                  | •                   | ••                       |                |                      | •                     |                  |             |    | •                            |                 |                |                   |                  |                |                  |       |             |    | •• |    |
|                      | MEC 60T(S)           | 55000-65000                  | •              |           |            |                 | •         | •                  | ••                  | •                        |                |                      | •                     |                  |             |    |                              | •               |                |                   |                  |                | •                | •     |             | •• |    |    |
| MEC 80T(S)           | ≥75000               |                              |                |           |            |                 |           | •                  |                     |                          |                |                      |                       |                  |             |    | •                            |                 |                |                   | •                | •              |                  |       |             |    |    |    |
| Modified HPMC&HEMC * | MR 07105             | 55000-70000                  | ••             |           |            |                 | ••        | ••                 | ••                  | •                        |                |                      | ••                    | ••               |             |    | •                            |                 | ••             |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 15101             | 50000-60000                  | ••             | •         |            |                 | ••        | ••                 | •                   | ••                       |                |                      | •                     | •                |             |    | ••                           |                 | ••             |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 12104             | 20000-30000                  |                |           | ••         | ••              |           |                    |                     |                          |                |                      |                       |                  |             | •• |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 13371             | 28000-38000                  | •              | ••        | •          |                 | •         |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 22110             | 30000-40000                  |                |           | ••         | •               |           |                    |                     |                          |                |                      |                       |                  | ••          | •• |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 46252             | 60000-70000                  |                |           |            |                 | ••        | ••                 |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 46254             | 58000-68000                  |                |           |            |                 | ••        | ••                 |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 22109             | 30000-40000                  |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    | •                            |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 24151             | 55000-65000                  |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  | ••          |    |                              | ••              |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR 24163             | 55000-65000                  |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  | ••          | •• |                              | •               |                |                   |                  |                |                  |       |             |    |    |    |
|                      | MR D101              | 15-50                        |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    | •• |    |
|                      | MR D901              | ≥75000                       |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    | •• |
|                      | MR D902              | ≥75000                       |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    | •• |
| HEC *                | HE 40000S            | 32000-48000                  |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              | ••              | ••             |                   |                  |                |                  |       |             |    |    |    |
|                      | HE 60000S            | 48000-72000                  |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 | ••             | ••                |                  |                | ••               |       |             |    |    |    |
|                      | HE 100000S           | 80000-120000                 |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                | ••               |       |             |    |    | •  |
| CMC **               | CMC 821              | 500-800                      |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |
|                      | CMC 2000             | 1500-2000                    |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 | •              |                   |                  |                |                  |       |             |    |    |    |
|                      | CMC 5000             | 4500-5500                    |                |           |            |                 |           |                    |                     |                          |                |                      |                       |                  |             |    |                              |                 |                |                   |                  |                |                  |       |             |    |    |    |

• Workable    •• Recommended

\* Viscosity.Brookfield RV,2% solu.,20°C

\*\* Viscosity.Brookfield LV,1% solu.,25°C