

| FIBC types         |                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FIBC Type A</b> | No protection against electrostatic discharge, Insulating, No grounding path<br>Possible ignition sources: Brush-, Propagating brush- and Cone discharges                                                       |
| <b>FIBC Type B</b> | Insulating, No grounding path, BUT: breakdown voltage of the fabric <6kV<br>Possible ignition sources: Brush- and Cone discharges, No propagating brush discharges                                              |
| <b>FIBC Type C</b> | To be grounded during filling and discharging to safely dissipate static electricity. Type C's have an interconnected grid of conductive threads and grounding tabs. Resistance to ground <10 <sup>7</sup> Ohm. |
| <b>FIBC Type D</b> | Static charges are dissipated by the corona effect, and grounding of the FIBC is not necessary. Type D's have antistatic fabric with permanent dissipative threads.                                             |

| Use of the different types of FIBC                                                                                                                                 |                          |                                                         |                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bulk Product in FIBC                                                                                                                                               | Surroundings             |                                                         |                                                                                                                                           |
| MIE of dust <sup>a</sup>                                                                                                                                           | Non flammable atmosphere | Dust Zones 21-22 <sup>b</sup><br>(1 000 mJ > MIE > 3mJ) | Gas Zones 1-2 <sup>b</sup><br>(Explosion Groups IIA/IIB) <sup>b</sup><br>or<br>Dust Zones 21-22 <sup>b</sup><br>(MIE ≤ 3 mJ) <sup>a</sup> |
| MIE > 1 000 mJ                                                                                                                                                     | A, B, C, D               | B, C, D                                                 | C, D <sup>c</sup>                                                                                                                         |
| 1 000 mJ > MIE > 3 mJ                                                                                                                                              | B, C, D                  | B, C, D                                                 | C, D <sup>c</sup>                                                                                                                         |
| MIE ≤ 3 mJ                                                                                                                                                         | C, D                     | C, D                                                    | C, D <sup>c</sup>                                                                                                                         |
| NOTE 1. Additional precautions are usually necessary when a flammable gas or vapour atmosphere is present inside the FIBC, e.g. in the case of solvent wet powders |                          |                                                         |                                                                                                                                           |
| NOTE 2. Non-flammable atmosphere includes dusts having a MIE > 1 000 mJ.                                                                                           |                          |                                                         |                                                                                                                                           |
| <sup>a</sup> Measured in accordance with ISO/IEC 80079-20-2:2016.                                                                                                  |                          |                                                         |                                                                                                                                           |
| <sup>b</sup> See Annex D for explanation of hazardous areas, zones and explosion groups.                                                                           |                          |                                                         |                                                                                                                                           |
| <sup>c</sup> Use of Type D shall be limited to Explosion Groups IIA/IIB with MIE ≥ 0,14 mJ.                                                                        |                          |                                                         |                                                                                                                                           |