

**Standard : ASTM A775 / A775M (Chart) Fusion Bonded Epoxy**  
**Coating: RAL 6005 – Moss Green**

| S.NO. | DESCRIPTION                                  | STANDARD SPECIFIED REQUIREMENTS             |
|-------|----------------------------------------------|---------------------------------------------|
| 1     | VISUAL INSPECTION OF OIL AND GREASE          | FREE OF OIL AND GREASE                      |
| 2     | SHOT BLASTING AGAINST SSP VIS 1              | SSPC VIS 1 STANDAR (NEAR WHITE)             |
| 3     | COPPER SULPHATE TEST MILL SCALE CONTAMINTION | TURN RED COLOUR                             |
| 4     | CHLORIDE TEST                                | STANDARD REFERENCE (<10 MICRO GRAM / sq cm. |
| 5     | SURFCAE CONTAMINATION TAPE TEST              | 40 - 115 MICRONS                            |
| 6     | BACK CONTAMINATION TAPE TEST                 | BACK CONTAMINATION STANDARDS (<20%)         |
| 7     | TEMPERATURE OF REBARS                        | 232 - 239 C                                 |
| 8     | MEK TEST                                     | No Reaction of MEK solution on Coating      |
| 9     | HOLIDAY TEST                                 | 3 HOLES / PER METER LENGTH (max)            |
| 10    | THICKNESS OF COATING                         | 175 - 300 MICRONS                           |
| 11    | BENDING TEST                                 | BENDING AROUND 6D MANDREL                   |

## TECHNICAL DATA SHEET OF FUSION BONDED EPOXY COATING

### EPOXY COATED REBAR ASTM A775

| NOMINAL<br>DIAMETER mm | No. of Bars per<br>bundle | Nominal<br>Weight kg/m | Nominal CSA<br>mm <sup>2</sup> |
|------------------------|---------------------------|------------------------|--------------------------------|
| 8                      | 422                       | 0.395                  | 50.27                          |
| 10                     | 270                       | 0.617                  | 78.54                          |
| 12                     | 188                       | 0.888                  | 113.10                         |
| 14                     | 38                        | 1.210                  | 153.94                         |
| 16                     | 106                       | 1.580                  | 201.06                         |
| 18                     | 84                        | 2.000                  | 254.47                         |
| 20                     | 68                        | 2.470                  | 314.16                         |
| 22                     | 56                        | 2.990                  | 380.13                         |
| 25                     | 44                        | 3.850                  | 490.87                         |
| 28                     | 34                        | 4.830                  | 615.75                         |
| 32                     | 26                        | 6.310                  | 804.25                         |
| 36                     | 20                        | 7.990                  | 1017.88                        |
| 40                     | 17                        | 9.860                  | 1256.64                        |