

TECHNICAL DELIVERY CONDITIONS

Project : Mumbai Metro cars - L2 & L7

Item : MS Raw Materials to Grade SMA 490BW JIS G3114

| Sl No | Stock No. | Description |
|-------|------------|---|
| 1 | R109001006 | 6mm Thk. Steel plate to grade SMA 490BW JIS G3114 with CE 0.41 max and in normalised condition to Size 6x1250x6500 mm |
| 2 | R109201009 | 9mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 9x1250x6500 mm |
| 3 | R109201012 | 12mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 12x1250x6500 mm |
| 4 | R109201016 | 16mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 16x1250x5000 mm |
| 5 | R109201020 | 20mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 20x1250x5000 mm |
| 6 | R109201045 | 45mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 45x1250x5000 mm |
| 7 | R109201050 | 50mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 50x1250x5000 mm |
| 8 | R109201060 | 60mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A435 / ASTM A578 with CE 0.43 max and in normalised condition to Size 60x1250x5000 mm |
| 9 | R109201070 | 70mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A435 / ASTM A578 with CE 0.43 max and in normalised condition to Size 70x1250x5000 mm |

1. All plates shall be supplied conforming to the specification as indicated above.
2. All plates shall be supplied in the pitting free & normalized rolled condition.
3. All plates of 6mm & 9mm shall pass the Bend test (radius = thickness) in all the directions of Rolling, without cracking on the outside of the bent portion as per JIS Z 2248.
4. Dimensional tolerances and appearance shall conform to JIS G 3193.
5. Ultrasonic Testing shall be carried out on 100% of the supplies for 9 mm and above by a reputed NDT firm and the test reports shall be certified by ASNT level II qualified inspector. Test reports shall be submitted along with the supplies.
6. Marking : Each plate shall be marked with a permanent marker with details of steel grade, heat no., thickness, width & length and manufacturer's name.
7. Test certificate for chemical composition, mechanical properties & impact test as per JIS G3114 shall be submitted along with the supplies.
8. The supplier shall submit confirmation for all the above points along with their technical offer.



GRB