

Annexure D- Specification

GALVANISED HEXAGONAL WASHER HEAD SELF DRILLING SELF TAPPING SCREWS FOR FIXING SANDWICH ROOF SHEETS, TRAPEZOIDAL CLADDING SHEET, EPDM WASHER & PLASTIC CAPS CONFORMING TO THE SPECIFICATION GIVEN.

SPECIFICATION

1. MATERIAL ASTM A48 GRADE 1022 (KILLED CARBON STEEL).
2. SDST SCREWS AS PER AUSTRALIAN AND INTERNATIONAL STANDARD AS3566 CLASS 3 OR EQUIVALENT.
3. CASE HARDNESS: 52-58 HRC CASE.
4. CORE HARDNESS: 32-40 HRC CORE.
5. DRILL TEST: 5MM TEST PLATE LESS THAN 5 SECONDS. (OTHERWISE TO BE SPECIFIED BY THE VENDOR)
6. TORQUE: 100/ LB.IN FOR 72 HOURS. (OTHERWISE TO BE SPECIFIED BY THE VENDOR)
7. ALL SCREWS SHALL BE GALVANIZED.
8. EPDM WASHER 16MM DIA AND ABOVE.
9. PLASTIC CAPS FOR THE HEXAGONAL HEAD, SHALL HAVE A COLOUR OF RAL5012 TO MATCH ROOF SHEET AND CLADDING.
10. VENDOR SHALL SPECIFY SUITABLE SCREW GUN TO FIX THE SCREWS.
11. SCREW FIXING DETAILS AS PER DRAWINGS 0-36-611-26738.

DIMENSION AND DESIGN REQUIREMENT

EACH SCREW SHOULD BE CAPABLE OF TAKING AXIAL LOAD OF 1.0 MT & SHEAR LOAD OF 0.5 MT. VENDOR SHALL PROVIDE DESIGN CALCULATIONS, DATASHEET & LOAD TEST RESULTS TO ENSURE THE ABOVE CAPACITY. IF LOAD CARRYING CAPACITY DEMANDS A SCREW DIAMETER GREATER THAN 5.5 MM, VENDOR SHALL ALSO PROPOSE THE SAME AND SUBMIT FOR TECHNICAL CLEARANCE.

A) FOR FIXING OF SANDWICH METAL CLADDING ROOF SHEETS

5.5 DIA (MIN) X 175 mm LONG (MIN), WITH 14 TPI (MIN) & MAXIMUM THICKNESS DRILLED DC 15 MM.

B) FOR FIXING OF METAL CLADDING SHEETS

5.5 DIA (MIN) X 63 mm LONG (MIN), WITH 14 TPI (MIN) & MAXIMUM THICKNESS DRILLED DC 15MM.

C) FOR STITCHING OF SHEETS

4.8 DIA (MIN) X 19 mm LONG WITH 12 TPI WITH MIN DC = 3 MM.

SPECIAL NOTE for Packing:

SINCE THIS IS AN EXPORT CONTRACT, PACKING AND SEAWORTHY PROTECTION TO BE SUITABLY TAKEN CARE.