



## Technical Standards for Insulation – Stainless Steel - Ideal Products

| Category                         | Short Description   | Standard        | Comment (Optional)   | Web URL |
|----------------------------------|---|-----------------|--|---------|
| Composition                      | Standard for Stainless Steel Plate and Sheet                                    | ASTM A240/A240M | Properties, compositions, dimensional tolerances, alloys, tempers, and tensile strength - General applications |         |
|                                  | Requirements for flat-rolled SST & Heat-resisting steel plate, sheet, and strip | ASTM A480/A480M | General requirements under A240  |         |
| Physical Properties              | Stainless Steel Jacketing for Insulation  | ASTM C1767      | Straight jacketing, Vessels, Some fittings   |         |
|                                  | Selection of Jacketing Materials for Insulation                                 | ASTM C1423      | Provides guidance to specifiers in selecting jacketing materials and their safe use                            |         |
|                                  | Emissivity  | ASTM C1371      | Test Method  |         |
|                                  | Emissivity  | ASTM C835       | Test method for surfaces up to 1400 Deg. C   |         |
|                                  | Pencil Hardness Test  | ASTM D3363      | Test Method  |         |
| Corrosion Under Insulation (CUI) | WVTR (Water Vapor Transmission Rate)  | ASTM F1249      | Test Method - Moisture Barrier Only  |         |
| Fire                             | Surface Burning Characteristics   | ASTM E84        | Particular to products with Polyfilm Moisture Barriers   |         |