

STEEL FORMING COMPANY

Data Sheet for Welded Wire Reinforcement (WWR)-Deformed Wire Mesh

Product Name: Welded Wire Reinforcement (WWR) – Deformed Wire Mesh

Standard: ASTM A1064/A1064M – Standard Specification for Carbon–Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete

Product Description

Welded Wire Reinforcement (WWR) is a prefabricated steel reinforcement consisting of colddrawn deformed steel wires electrically welded at the intersections. It is manufactured in flat sheets and used primarily for concrete slabs, pavements, walls, and precast elements.

Mesh Specifications

| Parameter | Value |
|----------------------|---------------------------------------|
| Wire Type | Deformed Carbon Steel Wire |
| Wire Diameter | 4 mm – 12 mm |
| Wire Spacing | 100 mm, 150 mm, 200 mm |
| Sheet Size | Min 2.0 m × 1.0 m, Max 6.0 m × 2.75 m |
| Total Mass per Sheet | As per size and wire diameter |
| Finish | Black (Deformed Surface) |

Mechanical Properties (*Based on ASTM A1064 and Customer Requirement*)

| Property | Requirement / Typical Value |
|------------------|-----------------------------|
| Yield Strength | ≥ 485 MPa (70 ksi) |
| Tensile Strength | ≥ 550 MPa |
| Elongation | ≥ 4% |

Note: Values are based on standard ASTM A1064 specifications and customer technical requirements. Final mechanical properties will be confirmed upon completion of testing and shared via MTC and third-party report.

Manufacturing Compliance

- ASTM A1064/A1064M
- Wire sourced from cold-drawn, deformed carbon steel
- Welds meet standard fusion and shear strength requirements

Applications

- Concrete floor slabs
- Pavements and roads
- Precast concrete elements
- Wall and foundation reinforcement