



# Technical Data Sheet

## WallMesh Cement-based Plaster



### Technical Specifications

| No. | Characterizations    | Unit              | Specification | Test Method  |
|-----|----------------------|-------------------|---------------|--------------|
| 1   | Appearance           | -                 | gray powder   | -            |
|     | Density              | g/cm <sup>3</sup> | 1.5           | -            |
| 2   | Compressive Strength | MPa               | 33.6          | INSO 9150-11 |
| 3   | Flexural Strength    | MPa               | 5.5           | INSO 9150-11 |
| 4   | Bond Strength        | MPa               | 0.44          | INSO 9150-12 |

### Application

WallMesh cement-based plaster is a specially formulated modified dry mortar designed for integration with fiberglass mesh to create advanced composite systems for seismic reinforcement. Engineered for embedding fiberglass mesh, this highly adhesive plaster ensures the performance of the WallMesh composite system against lateral forces such as wind and earthquakes. Acting both as a protective layer for the embedded mesh and as a stress-transfer medium, WallMesh Plaster ensures optimal performance and durability in seismic retrofitting applications.

WallMesh cement-based plaster is specifically designed to accommodate various wall finishes and ensure compatibility with a wide range of materials.

### Advantages

- High adhesion to masonry materials for robust bonding and reliable performance.
- Excellent workability for precise and accurate application during installation.
- Effective penetration into fiberglass mesh gaps, creating a strong mechanical lock.
- Strong adhesion to fiberglass mesh, ensuring system integrity under seismic tension.
- Maintains structural effectiveness by resisting layer failure during earthquakes.
- Specifically designed for compatibility with WallMesh systems for seismic reinforcement.

### Storage

WallMesh cement-based plaster should be stored in its original packaging in a dry environment to preserve its quality. Protect the packaging from direct sunlight, moisture, and extreme temperatures. The ideal storage conditions include a temperature range of 5°C to 35°C and a relative humidity of no more than 50%. Proper storage ensures the plaster retains its workability and performance characteristics.

### Packaging

- 30 kg bag

Padidar Bon Novin Mehr

Address: Tehran, Saadat Abad, Darya Blvd., Sharifi Blvd.,

Tohid 2nd St., No. 55.

Tel: 021-8856 3504 - 021-8856 7318

www.wallmesh.ir ✉ Info@wallmesh.ir 📷 wallmesh