

## **IS 2721:2003 Galvanized Steel Chain Link Fence Fabric-Specification**

Galvanized steel chain link fence fabric is a widely used **fencing material** known for its strength and durability. The fabric is made from high-quality galvanized steel wire, providing it corrosion resistance and durability. It consists of interconnected wire mesh that creates a diamond pattern, providing an effective and versatile fencing solution, offering a combination of security, visibility, and durability. It is ideal for enclosing properties, playgrounds, and sports fields.

Consumers seeking galvanized steel chain link fence fabric expect a few core quality parameters like **corrosion resistance, mesh size, high tensile strength, uniform weaving and knuckle or twist finishes** and aesthetic quality.

**IS 2721:2003** outlines various mesh sizes, wire diameters, and height options for the chain link fabric to accommodate different fencing needs. Instructions for weaving of the wire into a chain link pattern, ensuring uniformity and strength in the finished product is described in detail.

Tests for **dimensions and tolerances** ensures consistent **mesh size**, uniformly woven Chain link fence fabric, with either knuckle-knuckle or knuckle-twist finishes, which affect both the appearance and security level. A knuckle-twist finish, for instance, is often preferred in high-security areas. **Workmanship and finish** requirements ensures freedom from defects, scale, splice and wire's continuity in length.

The **high tensile strength** specified in the standard, resist stretching or breaking under tension. The mesh wires and the line wires are subjected to **wrapping test, twist test** and **bend test** to ensure that the wires withstand sufficient number of twists and do not break or split while manufacturing the fencing fabric. **Uniform zinc coating** shall be as per the standard to prevent rust and corrosion.