

## **Indian Standard IS 848 : 2006 - Specification for Synthetic Resin Adhesives for Plywood (Phenolic And Aminoplastic)**

Adhesives form one of the most important raw materials used in the plywood industry and woodworking and joinery industry. The selection of the adhesives and their proper uses are important factors controlling the quality of the plywood or the joinery work produced.

**Synthetic resin adhesives** are widely used for bonding plywood in various applications, such as furniture making, flooring, cabinetry, and construction. These adhesives have strong bonding capabilities, and are made from synthetic (human-made) polymers, which are specifically formulated to ensure a strong, durable bond between plywood layers, as well as between plywood and other materials.

**IS 848 : 2006 Specification for Synthetic Resin Adhesives for Plywood (Phenolic And Aminoplastic)**, developed by the Bureau of Indian Standards (BIS), prescribes the requirements for phenolic and aminoplastic synthetic resin adhesives used in the plywood industry, covering liquid, powder and film adhesives

The standard specifically lays down instructions for use of the adhesives, with regard to preparation and application, the various tests such as those for cyclic test and acidity and alkalinity tests.

The standard also defines the different types of adhesives depending on their degree of resistance, which are boiling water proof, boiling water resistant and moisture resistant. The standard defined the different set of tests, criteria for conformity and recommended use for each type of adhesive

So in order to make sure that the adhesives employed either for household or for commercial purposes is of optimum quality and fit for purpose, always look for the **BIS standard mark**.