



Indian Standard IS 2339: 2013 - ALUMINIUM PAINTS FOR GENERAL PURPOSES — SPECIFICATION

IS 2339, titled "Aluminium Paints for General Purposes – Specification," is an Indian Standard that outlines requirements for aluminium-based paints used for decorative and protective applications on a variety of surfaces. Aluminium paints are commonly used to provide a metallic finish, enhance appearance, and offer corrosion resistance. The primary component of these paints is aluminium powder or paste, which is mixed with a binding medium to produce a lustrous, durable coating.

High-quality aluminium paints are expected to exhibit several key properties, including excellent adhesion to surfaces, resistance to atmospheric and chemical corrosion, durability, and ease of application. Additionally, the paints should provide a smooth, aesthetically pleasing metallic finish, retain their gloss over time, and withstand variations in environmental conditions. Other desirable features include a uniform composition, quick drying, and minimal settling or separation of components.

IS 2339 addresses these expectations by setting forth specific standards for various characteristics of aluminium paints. The standard defines requirements for the paint's composition, including permissible levels of aluminium content, binding medium, and other additives to ensure uniform quality. Tests for consistency, drying time, gloss, and adhesion are also outlined to confirm that the paint adheres well to the surface and cures within a reasonable timeframe. Additionally, the standard includes methods to assess the paint's resistance to water, heat, and chemicals, ensuring durability in diverse environmental conditions. The guidelines in IS 2339 help manufacturers produce high-quality aluminium paints that meet consumer expectations for both protective and decorative applications, ensuring consistent performance and satisfaction.