

IS 9862 : 2017 Specification for ready mixed paint, brushing, bituminous, black, acid, alkali, water and chlorine resisting (*First Revision*)

IS 9862 standard specifies requirements for **ready-mixed bituminous black paint** designed for resistance to **acids, alkalis, water, and chlorine**. This specification is important to users for several reasons, especially where **durability, protection, and resistance** are needed in harsh environmental conditions.

IS 9862 standard ensures that the bituminous paint is formulated to resist corrosion and damage from exposure to acids, alkalis, chlorine, and water (Table 1 of IS 9862). This is crucial for users applying the paint on surfaces exposed to chemical environments, such as industrial settings or areas with chemical exposure risks.

IS 9862 compliant paint provides water resistance (Table 1 of IS 9862), which is critical for applications where surfaces are exposed to water, humidity, or even full submersion. This makes it ideal for waterproofing applications on surfaces that may come into frequent contact with water.

IS 9862, through tests like Stripping Test and Flexibility and adhesion test (Table 1 of IS 9862) ensures that the paint adheres well to various substrates, including metal, concrete, and masonry. This makes the paint versatile for different types of surfaces and applications, from industrial equipment to structural components and storage tanks. The users benefit by having a single type of paint that can be reliably used on multiple surfaces, simplifying procurement and application.

This ease of application is beneficial for both small-scale and large-scale applications, reducing the time and labour involved in coating surfaces. The standard specifies requirements for Consistency, Drying time and wet opacity (Table 1 of IS 9862) so as to ensure that the paint should be ready-mixed and suitable for brushing, making it convenient and easy to apply without extensive preparation. This allows users to apply the paint directly without requiring specialized tools or mixing processes.

Because the paint specified under IS 9862, through its requirements like Resistance to humidity (Table 1) ensures that it is durable and resistant to multiple degrading factors, users save money on maintenance, repairs, and replacements. The need for frequent reapplication is reduced, leading to lower lifecycle costs.

Adhering to a standardized paint specification like IS 9862:2017 also helps companies comply with regulatory requirements for safe and environmentally sound coatings. The paint's chemical resistance (Table 1) means that it helps prevent the leaching of harmful substances, safeguarding both the environment and user health. The standard also ensures that the material shall not contain lead or compounds of lead or mixtures of both, as metallic lead more than 300 ppm (Cl. 4.2).

Thus, by choosing IS 9862 compliant paint, users benefit from a coating that reduces maintenance costs, enhances durability, and offers protection against corrosion, ensuring long-term value and safety across various applications.