

## **IS 164 : 2023 — Paint for Road Marking - Specification (Third Revision)**

The ready-mixed paint for road marking is designed for durability and visibility on various surfaces such as city roads, rural roads, highways, and airport runways. It comes in two formulations: Type 1 for light-duty applications on city and rural roads, and Type 2 for heavy-duty marking on highways and runways. Key properties of this paint include quick drying, resistance to wear and bleeding, strong adhesion, and weather resilience.

The paint is formulated to minimize environmental impact, with low levels of volatile organic compounds (VOCs) and a lead content capped at 90 ppm. For eco-friendly certifications, it meets additional requirements for toxicity and recyclable packaging.

To ensure quality and compliance, the paint undergoes several tests, including checks for drying time, viscosity, abrasion resistance, scrub durability, and flexibility. Specialized tests, such as those for weathering resistance and washout prevention in early applications, are conducted to verify performance on bituminous and other standard road surfaces.