

IS 3537: 2017 -Ready mixed paint, finishing, interior, for general purposes, to Indian standard colours – Specification

IS 3537 is an Indian Standard that specifies the requirements, sampling and testing methods for ready-mixed interior paint, for general purposes, with distinctive colours as specified in the Standard.

Key Requirements and Testing:

1. Composition:

- Lead content is limited to 300 ppm to reduce health risk. Zinc oxide and white lead are also excluded to ensure a safer, non-toxic composition.

2. Colour and Finish Specifications:

- **Standardized Colours:** Paints shall achieve a close match to the specified colours listed in IS 5.
- **Finish Options:** Available finishes include smooth glossy, semi-glossy, egg-shell, or matt as per the standard.

3. Performance Requirements: The standard specifies various requirements including:

- **Fastness to Light:** There shall be no appreciable colour change on exposure, this is verified by exposure tests under specified light and temperature conditions.
- **Drying Times:** Drying times are strictly defined, with surface, hard, and tack-free drying stages capped at 4, 12, and 24 hours, respectively.
- **Water and Scratch Resistance:** Paints are tested for durability, including resistance to water exposure and scratch hardness, ensuring product longevity.

4. Sampling and Test Methods: The standard specifies methods for sampling and testing the paint to ensure it meets the requirements.

5. Packaging and Marking:

1. As specified in the standard, paint shall be packed in metal containers conforming to IS 1407 and IS 2552, unless otherwise agreed to between the purchaser and the supplier.
2. **Labelling Requirements:** The standard provides information regarding the necessary instructions to be provided on the product for safe use, and marking requirements for identification.

In summary, IS 3537:2017 sets safety and performance requirements for ready-mixed interior paints, ensuring their suitability for general-purpose applications.