

## IS 2074 : 2023 Ready Mixed Paint Air Drying Red Oxide Zinc Chrome Priming -Specification

**Ready Mixed Paint Air Drying Red Oxide Zinc Chrome Priming** is the paint which is intended to serve as a base coat. It comes pre-mixed and does not require any additional components to be added before application. The paint dries by exposure to air, meaning no additional heat source is required to harden or cure the paint. Red oxide present in this paint provides a reddish-brown color and Zinc chromate imparts corrosion resistance. The primers provide better adhesion of subsequent layers of paint and improving durability.

This primer paint is extensively **used for protection of grills, gates, window frames (metal), etc, in houses and buildings.** It has dual applications, namely usage for **household/decorative purposes** and also for **industrial/commercial applications** where corrosion prevention is critical, and a durable, rust-resistant primer is needed before applying the final decorative or protective coating.

Ready Mixed Paint Air Drying Red Oxide Zinc Chrome Priming should consist of the desired ingredient which imparts its **performance** which is being taken care of by **prescribing the requirements of pigments and driers.**

The Primer should be **free from objectionable impurities** which are injurious to **operators or the residents.** Exposure of human being to **lead**, particularly children, has adverse impact on human health and safety, therefore the standard **prescribes lead restriction up to 90 ppm.**

The Primer should not lose its properties when kept for a long time. Therefore, the standard prescribes **keeping properties test** which tests for the performance of the Primer at least one year from the date of manufacturing.

The Primer **should not catch fire easily** which is being checked by **flash point test** prescribed in the standard. The Primer should **have resistance to humidity** in order to protect the painted surfaces from corrosion and therefore tests are prescribed for **resistance to humidity, resistance to sea water and resistance to salt spray.**

The standard also prescribes other performance tests such as **consistency, viscosity, drying time, finish, fineness, colour, flexibility, adhesion, volume solids and accelerated storage stability test.**

In Summary, IS 2074 is your assurance that the if you buy ISI marked Ready Mixed Paint Air Drying Red Oxide Zinc Chrome Priming, it will be safe for application and will also have good performance.