

Instructions for Standard Outside Finish, Inerteen Transformer Tanks



I. L. 47-069-6

THE STANDARD outside finish for Westinghouse Inerteen transformers consists of three baked-on coats of high grade paint which will resist the solvent action of Inerteen. This system consists of one coat of primer and two coats of finish paint. The color variation between the prime and finish coats insures that the paint is continuous and of sufficient thickness. Each coat is usually flowed on, but can also be applied by dipping, spraying or brushing.

The transformer tanks and accessories being constructed of steel, are susceptible to rusting. Therefore, in order to prevent rusting of exposed steel surfaces give careful attention to the following steps when repainting:

1. All exposed steel surfaces must be thoroughly cleaned and prepared for the application of paint since the proper preparation of the surfaces to be finished is an important factor to securing a satisfactory finish.

Regardless of how good the paint may be, it will fail as a protector if applied over a wet, dirty, rusty, or greasy surface. Rust and scale absorbs and holds moisture. Therefore, to obtain a durable finish, it is essential that no moisture be sealed in by the application of paint. For large areas, a clean dry surface with sufficient roughness for good adhesion of the priming coat can be obtained by shot or sand blasting the exposed surfaces of the transformer tank.

2. The careful application of a quality paint that will resist the solvent action of

Inerteen is essential to guarantee a lasting finish.

The two factors that determine the quality of any paint are the pigment and vehicle. The pigment gives the color and body of the paint and the vehicle holds the pigment particles in place and forms a continuous adherent film. Although attention is generally centered upon the selection of the pigment, many tests show that the vehicle of a paint is the first of these two components to disintegrate. Therefore, it is important that a paint of high quality be used to obtain a satisfactory finish.

IMPORTANT. Any portion of the paint film damaged during shipment or installation must be repaired as quickly as possible.

To do this, clean the damaged portion by means of scraper or sandpaper, applying a coat of primer paint and allow it to dry for at least 24 hours, then apply a coat of finish paint.

NOTE. For small marred spots which do not penetrate the paint film to the parent metal, only the finish paint is necessary. Due to the indefinite life of the primer, the finish paint should be applied as soon as possible.

A one-pint container of finish paint is furnished with each order of transformers for use in touching up any places damaged during shipment or installation. Larger quantities of Westinghouse paint can be obtained through the nearest Westinghouse Sales Office. Westinghouse Primer Paint is not packaged in small quantities, but if required, can be purchased in the same manner.

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