



Decorative & Architectural

# Technical Data Sheet

1110-SPE (Rev 1/2021)

**PRODUCT NAME:** **GREY OXIDE PRIMER  
(IRON GUARD)**

**Generic Type:** Zinc Phosphate Plus Zinc Chromate/Long Oil Alkyd resin.

## General Description

A general purpose primer having excellent rust inhibitive properties. Has a good wetting property for bonding to poorly prepared metal surfaces.

## Recommended Uses:

For bare steel, zinc and galvanised iron surfaces.

## Features/Benefits

- Versatility
- Inhibits corrosion
- Good film build
- Quick drying
- Easy to apply
- Excellent adhesion to steel, iron, aluminium etc.

## Product Data:

**Solids Volume: 53%**

**Film Thickness:**

Wet 84 microns (3 mils.)

Dry 44.5 microns (1 ¾ mil)

**No. of coats:**

1 or 2 (for pitted surfaces)

**Spreading Rate:**

30-37 m<sup>2</sup> per 3.785 L

**Drying Time:**

Touch Dry: 2 - 3 hrs.

Re-Coat: 4 hrs.

Hard Dry: 8 hrs.

**Application:**

Brush, Roller or spray

Thin 10% (370 ml) for spraying  
spraying

**Colour Range: Yellow Brown**

**Gloss: Matt**

**Thinner/Cleaner:**

Brush Kaleidoscope Thinner 2000

Roller Kaleidoscope Thinner 2000

Spray Kaleidoscope Thinner 2003

**Flash Point: 39°C (102°F)**



A Member of: **kplgroup**

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## General Surface Preparation

### PREVIOUSLY PAINTED:

Remove all dust, dirt, oil, grease, loose & semi-adherent paint work, rust, millscale and other debris to obtain a clean dry sound surface. Apply Kaleidoscope Rust Converter to rusted areas and wipe off grime with damp cloth. Allow to dry. Then apply Kaleidoscope Grey Oxide Primer by brush or roller. For spray application add up to 470ml Kaleidoscope 2003 Thinner per 3.785 L container.all knots. Allow to dry then apply two or three coats of Kaleidoscope Flat Enamel.

### NEW:

Galvanize and aluminum surface should first be primed with one thin coat Kaleidoscope Etching Wash Primer, followed by one or two coats Kaleidoscope Grey Oxide Primer allowing it to dry for 8-12 hours between coats.

### STEAL:

Clean to Hand Tool or Power Tool finish, SSPC-SP-2 or 3, but preferably abrasive blast clean to Brush-off or Commercial finish, SSPC-SP-7, (NACE4) or SSPC SP 6 (NACE3).

Stir thoroughly before use and occasionally during use. After suitable surface preparation, apply 1 or 2 coats of Kaleidoscope Grey Oxide Primer (2 if the surface has been blast cleaned). Kaleidoscope Grey Oxide Primer should be allowed to dry for 8 -12 hours between each application. Finish with an appropriate Kaleidoscope paint system.

Read label prior to use.

**CAUTION:** Use only with adequate ventilation. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an approved particulate respirator (Follow respirator manufacturer's direction for respirator use) or leave the area. **Avoid contact with eyes.** Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. **If swallowed, get medical attention immediately.**



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