



SHIELD OXIDE WATER-BASED PRIMER

TECHNICAL DATA SHEET

AZAR CHEMICAL INDUSTRIES LTD





TECHNICAL DATA SHEET

SHIELD OXIDE

WATER-BASED PRIMER

INTRODUCTION

Shield Oxide Water Based Primer, is designed to **protect metal structures**, such as towers, from corrosion while providing a strong base for topcoat adhesion. It combines rust-inhibiting metal oxides with the **eco-friendly** benefits of a water-based formula, offering **durability** and **ease of application**. Ideal for use on exposed metal surfaces, it ensures long-lasting protection in harsh outdoor environments.

TECHNICAL DATA

PROPERTIES

Appearance:

Solid Content:

Density:

Coverage:

Dilution:

Touch Drying Time:

Recoat Drying Time:

Gloss Finish:

ANALYSIS

Grey, Red, other options (depending on order size)

60 %

1.25 g/L

9 - 11 m²/L depending on surface conditions

10 - 15 % with water

30 minutes

3 hours

>54° measured at a 60° angle.



Shield Oxide Water-Based Primer

1 Coat is usually sufficient

COMPOSITION:

Base: Styrene

Pigments: Organic and Inorganic

Free-From: Lead

APPLICATION

SURFACE PREPARATION:

Before applying **Shield Oxide Water-Based Primer**, ensure all dust, loose particles, fatty stains, and old paint are removed from the metal surface. Use sandpaper or a wire brush to smooth and roughen the surface for better adhesion. Ensure the surface is dry before applying the primer.

PRIMER APPLICATION:

Application Method: Apply using a foam roller, brush, or spray gun.

- **Brush or Foam Roller Application:** Dilute with 10% water.
- **Spray Gun Application:** Dilute with 15% water.

Stir: Stir well before applying to ensure even consistency.

For Optimal results: Cover the entire surface uniformly.

Drying Time: Allow the primer to dry for 2-3 hours before touching.

Coats: One coat is usually sufficient. Wait 8 hours before applying second coat.

PAINT APPLICATION:

Once the primer is fully dried and cured, you can apply your chosen topcoat **Shield Acrylic Paint** or **Shield Silicone Satin Paint** for additional protection and a professional finish.

FEATURES AND BENEFITS



Semi-Gloss Finish:

Shield Oxide Water-Based Primer is a **styrene water-based primer** that provides a durable and attractive semi-gloss finish.



Free-From:

Lead

ADDITIONAL DATA

SHELF LIFE @ 30°C:

18 months, in the original sealed container, with proper storage conditions. The storing condition is crucial.

HEALTH & SAFETY:

Safety precautions: Generally, most of the water-based paints are quite safe to handle with due precautions. As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. The eye should be flushed with fresh water. Avoid inhalation of vapors and paint mist by wearing a suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in a well-ventilated area.

Local safety regulations to be followed.

STORAGE & HANDLING:

Store at temperatures below 40°C, in a cool, dry place.

Keep the paint container in a sealed condition under shade, away from direct sunlight and extreme temperatures to maintain product quality.

Do not keep paint material near any ignition sources.

Do not put back the half or unused material back in the original container, containing the supplied paint, to avoid contamination.

Handle with care.

Stir well before use.

PACKAGING:

Available in 3.6L, 10L, 20L plastic containers.

AZAR GROUP



AZAR CHEMICAL INDUSTRIES LTD

+233 555 333 777

+233 555 333 888

info@azarghana.com

marketing@azargroup-gh.com

Azar Chemical Industries

www.azargroupltd.com