



## ABOUT HYDACORRO-SHIELD 701

**HYDACORRO-SHIELD 701** is a high-performance, single-component epoxy-based anti-corrosive coating designed to provide superior protection for a wide range of substrates. Formulated using advanced epoxy technology and performance-enhancing additives, it delivers excellent resistance against corrosion, chemicals, and harsh environmental conditions.

This product is engineered for ease of application while ensuring a durable, long-lasting protective layer, making it suitable for both industrial and commercial applications.

### SURFACE APPLICATION MATERIALS

- 🐢 Concrete surfaces
- 🐢 Metal substrates
- 🐢 Previously coated surfaces (after proper preparation)
- 🐢 Structural steel
- 🐢 Cementitious surfaces
- 🐢 Masonry and plaster

### APPLICATION AREAS

- 🐢 Industrial floors and structures
- 🐢 Commercial buildings
- 🐢 Protective coatings
- 🐢 Warehouses and factories
- 🐢 Maintenance and repair works
- 🐢 Marine environments

## PRODUCT HIGHLIGHTS

- ❖ **Advanced Single-Pack Technology** – Ready-to-use formulation for effortless application
- ❖ **Rapid Drying Performance** – Minimizes downtime and accelerates project completion
- ❖ **Superior Corrosion Protection** – Shields surfaces against rust and environmental damage
- ❖ **Excellent Chemical Resistance** – Withstands exposure to acids, alkalis, and harsh conditions
- ❖ **Strong Adhesion** – Bonds effectively to metal, concrete, and masonry surfaces
- ❖ **Long-Lasting Durability** – Designed for extended service life in demanding environments
- ❖ **Smooth Semi-Gloss Finish** – Enhances surface appearance with a professional look
- ❖ **Versatile Application** – Suitable for both interior and exterior use
- ❖ **Ideal for Industrial & Marine Use** – Performs reliably in aggressive atmospheres

## TECHNICAL DATA

Property	Value
Dilution	10–15% with compatible thinner
Coverage	Approx. 160–180 sq.ft per coat
Surface Dry Time	~45 minutes
Hard Dry Time	~6 hours
Recoating Interval	~12 hours
Finish	Semi-gloss
Flash Point	Not below 30°C
Flammability	Flammable

# APPLICATION INSTRUCTIONS

## SURFACE PREPARATION GUIDELINES

Proper surface preparation is critical to achieving optimal performance.

### General Guidelines:

- Ensure the surface is clean, dry, and free from dust, grease, oil, or loose particles
- Remove any contaminants that may affect adhesion

### Metal Surfaces:

- Clean thoroughly to bare metal using mechanical methods such as sanding, wire brushing, or abrasive blasting
- Remove rust, mill scale, and old coatings
- Ensure a roughened surface for better adhesion

### Concrete Surfaces:

- Repair cracks and surface defects before application
- Remove laitance, dust, and loose particles
- Ensure the surface is dry and free from moisture

### Biological Growth:

- Any fungal or algae growth should be completely removed and treated before coating

## STEP-BY-STEP APPLICATION GUIDE

### 1. SURFACE PREPARATION

- Ensure the surface is clean, dry, and free from dust, oil, grease, or loose particles
- Remove rust, old paint, and contaminants from metal surfaces
- Repair cracks and defects in concrete or masonry surfaces before application

## 2. MATERIAL PREPARATION

- Stir HYDACORRO-SHIELD 701 thoroughly before use
- Dilute with compatible thinner (10–15% by volume) if required
- Ensure uniform consistency before application

## 3. APPLICATION OF FIRST COAT

- Apply evenly using brush, roller, or spray
- Ensure proper coverage over the entire surface
- Avoid excessive thickness or uneven application

## 4. DRYING TIME

- Allow the first coat to dry for **4–6 hours** under normal conditions
- Ensure the surface is touch dry before applying the next coat

## 5. APPLICATION OF SECOND COAT

- Apply the second coat uniformly for enhanced protection
- Ensure complete and consistent coverage

## 6. FINAL CURING

- Allow the coating to cure completely for **5–7 days** for optimum performance
- Avoid exposure to moisture, chemicals, or heavy use during curing

## PRO TIPS & PRECAUTIONS

- Ensure surface is clean, dry, and free from contaminants
- Avoid application on damp surfaces or in extreme conditions
- Do not over-thin; follow recommended dilution
- Apply with proper tools for uniform coating
- Clean tools immediately after use
- Use appropriate protective gear during application

## PRODUCT SPECIFICATIONS & STORAGE GUIDELINES

### AVAILABLE PACKAGING:

500 ml, 1 L, and 4 L

### PRODUCT TYPE:

Single-pack epoxy coating

### COLOUR:

Standard industrial shades (Red, Grey, Black, White, etc.)

### SHELF LIFE:

12 months from date of manufacture

### STORAGE CONDITIONS:

- Store in original, tightly sealed containers
- Keep in a cool, dry, and well-ventilated area
- Protect from direct sunlight, heat, and moisture

## SAFETY & APPLICATION GUIDELINES

### PERSONAL PROTECTION

- Wear gloves, safety goggles, and protective clothing
- Ensure application in well-ventilated areas

### FIRST AID MEASURES

- **Skin Contact:** Wash thoroughly with soap and water
- **Eye Contact:** Rinse immediately with clean water and seek medical advice if irritation persists
- **Inhalation:** Move to fresh air and seek medical attention if discomfort continues
- **Ingestion:** Do not induce vomiting; seek immediate medical attention

### PERFORMANCE LIMITATIONS

- Not suitable for continuous water immersion or submerged conditions
- Do not apply on damp, oily, or poorly prepared surfaces

- Avoid application under extreme temperature or high humidity conditions
- Over-thinning may reduce coating performance and durability
- Not intended for structural repair or load-bearing applications

— End of TDS —