

# SuperPrime Metal

## Unique New Waterbased Corrosion Fighting Technology

### Applications:

#### First Coat painting of:

Steel

Iron

Ferrous Metals

Structural Steel

Fencing

Railings

Metal Equipment

### Features and Benefits:

Water Based

Low odour

Helps prevent rust

Use Inside or Outside

Can be overcoated with most  
paints: Alkyds, Acrylics,  
Epoxyes, Urethanes, Lacquers

Soap and water clean up  
Non-flammable

Use in low or high temperatures

No Lead

No Chromates

# Zamix®

*When ordinary primer/sealers are not enough!*

#### Product Description

Zamix SuperPrime Metal is a high performance water-based rust preventative coating. It is formulated for use on metal surfaces only and will bond to and protect, steel, iron, and ferrous metal surfaces using a **UNIQUE NEW CORROSION FIGHTING TECHNOLOGY**. SuperPrime Metal can be overpainted with most types of paint (Oil or Alkyd, Water Based, Urethane, Epoxy and lacquer topcoats).

Zamix SuperPrime Metal can used for both indoor and outdoor application.

Zamix SuperPrime Metal is light grey.

#### Product Use:

Zamix SuperPrime Metal is an ideal prime coat for structural steel, fencing, railings, equipment etc.

#### Packaging Data:

#### Zamix SuperPrime Metal

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3.5 Litre	4 per Carton
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875ml.	6 per carton
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#### Product Preparation:

Zamix SuperPrime Metal is ready to apply from the can, mix well before using.

#### Surface Preparation:

Surface must be clean and dry, free from all grease, wax, oil, polish, loose paint, dirt, rust or other contamination, Remove any loose rust or mill scale. Hand tool or power tool for severely rusted surfaces. Occasionally blasting may be necessary. Clean with an abrasive detergent, rinse well and allow to dry. Wiping with a Solvent is recommended but avoid Mineral Spirits or any other Solvent that could leave a residue.

#### Application:

Apply by synthetic brush, synthetic roller or spray.

Under normal conditions (25°C, 50% Relative Humidity) Zamix SuperPrime Metal will dry in about 30 minutes, this depends on the thickness of the coating as thicker coats will take longer to dry.

Under normal conditions Zamix SuperPrime Metal can be overcoated with Alkyd or Acrylic paint within 1-2 hours, and with 2 -component epoxyes or urethanes after 2-3 hours.

Note: Zamix SuperPrime Metal can be used in temperatures between 3°C and 32°C, however °low temperatures and high humidity will slow the drying and curing times - depending on the temperature, humidity and film thickness, the film may stay tender for days before curing.

**Coverage:** approx. 7 - 12 m2 per Litre depending on the film thickness

**Physical/.Chemical Data: Zamix SuperPrime Metal**

Weight per 3.5L	4.27Kg - 3.5Litre
Viscosity (KREBS Unites)	85-95 + / - 5KU
Spreading rate (@ 1 mil both products	7 – 12 m <sup>2</sup> / litre
Application Condition for both products:	(3° C. to 32°C – Agitate before use)
Drying schedule (ASTM D1640)	to touch: 30 to 45 minutes @ 25°C and 50% RH To topcoat :1-3 hours @ 25°C and 50% RH Dry Hard: 7-10 days @ 25°C and 50% RH

Flash Point (ASTM 3278-82) > 100°C

VOC: Less than 250 g /VOC by weight

Recommended film thickness: 3 mm. dry

Flexibility (ASTM D522-1 mil cold rolled steel): Excellent

Cross hatch adhesion (ASTM D3359, Method B): No Loss

Corrosion Control: 500 hours Salt Fog Test at 1.0mil DFT on Cold Rolled Steel: Excellent

Gloss (60° Gloss meter) : Low

Topcoats recommended : Oil / Alkyd, Water Based, 2K Urethane, 2K Epoxy, Lacquers

Caution: keep from freezing. do not take internally. If sanding wear a dust mask to avoid breathing sand dust. Use with adequate ventilation. If you experience eye watering headache or dizziness wear appropriate, properly fitted respirators during application. Avoid contact with eyes. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN First aid: In case of eye contact, flush plenty of water for at least 15 minutes and get medical attention. If you experience difficulty in breathing leave the area to obtain fresh air

**Please see the Material Safety Data Sheet (MSDS) for this product.**

# **MATERIAL SAFETY DATA SHEET**

Product and reference : Zamix **SuperPrime Metal**  
Date of issue : 1<sup>st</sup> July 2003

Revision :1  
Page 1 of 3

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## **1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

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Product Name and/or code : Zamix SuperPrime  
Intended use : Paint Primer  
Name  
Full address: Paintz Ltd  
28 High Street  
Pinner  
Middlesex, HA5 5PW  
Telephone Number : 0208 4290939  
Fax Number : 0208 4293283

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## **2. COMPOSITION. INFORMATION ON INGREDIENTS.**

Substances presenting a health hazard within the meaning of the Chemicals (Hazard Information and Packing) Regulations 1994 or substances assigned and occupational exposure limit in EH40.

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<b>3. HAZARDS IDENTIFICATION</b>	Propylene Glycol	no hazard established
	Ester Alcohol	no hazard established

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## **4. FIRST AID MEASURES.**

General : In all cases of doubt, or when symptoms persist, seek medical attention.  
Eye Contact : Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.  
Skin Contact : Remove contaminated clothing. Wash skin thoroughly with soap and water or use proprietary skin cleaner. Do NOT use solvents or thinners.  
Ingestion : If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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## **5. FIRE FIGHTING MEASURES.** NONE

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## **6. ACCIDENTAL RELEASE MEASURES.**

Refer to protective measures listed in section 7 and 8. Contain and collect spillages with absorbent materials, e.g. sand, earth, vermiculite diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or water courses. Clean preferably with plenty of water; avoid the use of solvents.  
If the product enters drains or sewers the local Water Company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

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## **7. HANDLING AND STORAGE**

### **Handling**

For personal protection, see section 8  
Never use pressure to empty: the container is not a pressure vessel.  
Always keep in containers made of the same material as the supply container.  
Good housekeeping standards and regular safe removal of waste materials will minimise risks of hazards.

The manual handling operations Regulations may apply to the handling of this product. Refer to the guide weight indicated on the container when carrying out assessments.

### **Storage**

Containers which are opened should be properly resealed and kept upright to prevent leakage. The principles contained in the HSE's guidance note Storage of Packaged Dangerous Substances should be observed when storing this product. Store separately from oxidising agents and strongly acidic substances. Do NOT allow to freeze.

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This is classed as non-hazardous for all transport modes.

## **MATERIAL SAFETY DATA SHEET**

Product and reference : **Zamix SuperPrime Metal**  
Date of issue : 1<sup>st</sup> July 2003

Revision: 1  
Page 3 of 3

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### **15 REGULATORY INFORMATION**

**The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information and Packing) Regulations as follow:**

**The information contained in this safety sheet does not constitute the users own assessment of workplace risks as are required by other health and safety legislation.**

**The provisions of Health and Safety at work etc. Act and the Control of substances Hazardous Regulations apply to the use of this product at work.**

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### **16 OTHER INFORMATION**

**Text of R phrases in section 2**

**R No Phrase**

**The information contained in this safety data sheet is provided in accordance with the requirements of the chemicals (Hazard Information and packing) Regulations.**

**The product should not be used for the purpose other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.**

**The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, Safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.**

**Further information and relevant advice can be found in:**

**The control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657),**

**The Manual Handling Operations Regulations 1988 (SI 1992:2793)**

**Storage of Packaged Dangerous Substances, HS (G) 71**

**The environmental Protection (Duty of Care) Regulations 1992 (SI1992: 2839)**

**The Personal Protective Equipment (EC Directive) Regulation 1992.**

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# **MATERIAL SAFETY DATA SHEET**

Product and reference : **Zamix SuperPrime Metal**  
Date of issue : 1<sup>st</sup> July 2003

Revision: 1  
Page 2 of 3

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Engineering Measures**

If the product is sprayed provide adequate ventilation. Where practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulate below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

### **Exposure limits**

There are no substances which have an exposure limits in EH40

All ppe, including rpe, used to control exposure of hazardous substances must be selected to meet the requirements of the COSHH Regulations.

### **Personal Protection**

#### **Respiratory protection:**

If exposure to particulate identified above cannot be controlled by the provision of local exhaust and good general extraction suitable respiratory protective equipment should be worn.

#### **Hand Protection:**

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

#### **Eye Protection:**

Eye Protection designed to protect against liquid splashed should be worn.

#### **Skin Protection:**

Cotton or Cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and skin washed with soap and water or a proprietary skin cleaner.

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## **9 PHYSICAL AND CHEMICAL PROPERTIES.**

Physical state	:	Liquid ( Water Based)
Flash point	:	>200°C F TCC (ASTM D-56)
Viscosity	:	Method
Specific gravity	:	45.6% (Weight)
Vapour density	:	
Lower explosion limit	:	
Solubility in water	:	Miscible

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## **10 STABILITY AND REACTIVITY**

Stable under the recommended storage and handling conditions. (See section 7).

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## **11 TOXICOLOGICAL INFORMATION**

There is no data on the product itself

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## **12 ECOLOGICAL INFORMATION**

There is no data on the product itself

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## **13 DISPOSABLE CONSIDERATIONS**

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied container's, are controlled wastes and should be disposed of in accordance with regulations made under the control of Pollution Act and Environmental Act.

[Using the information provided in this safety data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply]

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## **14 TRANSPORT INFORMATION**