

ZINCFIX® Zinc-Alu 60

INTERIOR & EXTERIOR

SOLVENT BASED

Description:

A one pack zinc & aluminium rich primer/topcoat; contains more than 60% zinc in the dry film.

Intended Uses:

ZINCFIX® Zinc-Alu 60 is an organic bound zinc rich coating containing 60% zinc/aluminium in the dry film. It is applied to clean steel and hot dip galvanized surfaces to form an adherent anti-corrosive coating in excess of 100 microns thick. This product is used as a zinc rich protective primer/coating in corrosive environments on steel and hot dip galvanized surfaces.

Features & Benefits:

- Easy to use one component product that can be brush or spray applied.
- The bright grey metallic colour will blend in with newly galvanized steel.
- Can be overcoated by a range of topcoats.
- Adheres well to abraded steel and galvanizing.
- Prevents the substrate from rust creep at areas of damage.
- Available in aerosols (AEROCOAT Zinc-Alu Galv).
- Weather resistant & UV stable.

Technical Data:

Colour	Bright grey metallic
Finish	Smooth
Density (approx.)	1.25 Kg/ Litre
Volume Solids	45%
Typical Film Thickness	110µm WFT 50µm DFT
Theoretical Coverage	9.0 m ² / Litre at 50µm DFT, allow for loss factors
Method of Application	Brush, spray, or aerosol
Flash Point	25°C
Temperature Resistance	Dry continuous – 65°C
Number of Coats	1 – 2 by brush or spray 2 – 3 by aerosol to achieve DFT

Drying Information:

	- 5°C	0°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	10 min	-	-
Hard Dry	-	-	-	2 hrs	-	-
Full Cure	-	-	-	24 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	- 5°C	0°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	4 hrs	-	-
Maximum	-	-	-	24 hrs	-	-

INDUSTRIAL PROTECTIVE COATINGS: PRIMERS

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product.

Surface Preparation:

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be cleaned and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by freshwater rinsing. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Abrasive Blast Cleaning:

For atmospheric exposure best performance will be achieved when ZINCFIX® Zinc-Alu 60 is applied to surfaces prepared to Sa2½ (ISO 8501:2007 or SSPC-SP10; a minimum of Sa2½ (ISO 8501:2007) or SSPC-SP6 must be achieved.

Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

A blast profile of 30 – 50µm is recommended.

Hand or Power Tool Preparation:

Hand or power tool clean to a minimum of St2 (ISO 8501-1:2007) or SSPC-SP2.

Note: All scale must be removed and areas which cannot be prepared adequately by chipping or needle gun should be blasted to a minimum standard of Sa2 (ISO 8501-1:2007) or SSPC-SP6. Typically, this would apply to C or D grade rusting in this standard.

Mechanical Preparation – Galvanized Steel Repair:

Surfaces must be abraded by a minimum radius of 25mm around the defect using 180# abrasive water paper (or finer) and water as a lubricant, the defect should be exposed to bare metal, but the size should be kept as small as possible. Immediately after abrasion wipe the surface clean and apply the premixed repair material within the abraded area. Do not overlap the “patch” onto un-abraded galvanizing.

Application:

Mixing	Material is supplied in steel containers. This is a one component product and does not require a hardener. Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of zinc particles. The temperature of the mixed product should preferably be above 8°C, higher temperatures result in reduced sag resistance and faster cure.
Pot Life	No limitation. If product thickens use Solvent XL to reduce viscosity.
Brush	Recommended
Thinner	Not Required for brushing, if spraying add up to 30% Solvent XL.
Cleaner	SA 65 Thinner (For dry paint & equipment)

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	45°C	45°C	85%

* Or 3°C above the dew point

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Limitations:

- This product must be applied direct to metal and hot dip galvanized substrates.
- Never use primers as they will compromise the performance of ZINCFIX® Zinc-Alu 60.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this datasheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Pack Size:

Tins	1 Lt	5 Lt
Aerosols	400ml	

Storage:

- Shelf Life: 12 months at 25°C – from date of manufacture (Subject to inspection thereafter).
- Store in dry conditions out of direct sunlight away from source of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product