

GOBI'S EPOXY ZINC PHOSPHATE PRIMER

PRODUCT DESCRIPTION

A two-pack epoxy primer based on rust inhibitive pigment Zinc Phosphate.

TYPICAL USE

- Anticorrosive.
- Can be used on ferrous and non-ferrous surfaces (zinc and aluminium).
- Excellent adhesion.

TYPICAL PAINTING SYSTEM

On Steel

Gobis ZNP Epoxy Primer	1 x 50 µm
Gobis Epoxy Coating	2 x 50 µm

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

TECHNICAL INFORMATION

Color	Grey / Red Oxide
Finish	Silk
Vol Solid	55% ± 2
Mixing Ratio	3:1 (Base: Hardener)
DFT	50 - 60 µm
Wet	104 - 125 µm
Spreading Rate	9.6 - 8 m ² /L
Drying Time	2 - 4 hrs. at 30°C.
Recoating Time	8 - 12 hrs
Induction Time	15 mins.
Pot Life	8 hrs
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.28 kg (when mixed)
Flash Point	22°C
Further Coat	Epoxy
Packing size	4 and 20 Litres kit.

SURFACE PREPARATION

Steel:

Blast cleaning to SA 2½.



APPLICATION

Brush or airless spray (preferable). Airless spray tips 13 thou. 2000 p.s.i. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand 15 min before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

The information in this data sheet is given in good faith and based on Gobis laboratory evaluations but without guarantee. We reserve the right to change the given data without notice.

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

GOBIS EPOXY ZINC RICH PRIMER

PRODUCT DESCRIPTION

A two-pack epoxy primer based on polyamide, epoxy and zinc dust.

TYPICAL USE

- Exceptional abrasion resistance and anticorrosive properties.
- Suitable in marine environment.
- Excellent adhesion.

TYPICAL PAINTING SYSTEM

On Steel

Gobis Zinc Rich Epoxy Primer	1 x 50 um
Gobis Epoxy Coating	2 x 50 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

TECHNICAL INFORMATION

Color	Grey
Finish	Silk
Vol Solid	50% + 2
Mixing Ratio	3:1 (Base: Hardener)
DFT	50 - 60 um
Wet	100 - 120 um
Spreading Rate	10 - 8.3 m ² /L
Drying Time	2 - 4 hrs. at 30°C.
Pot Life	8 hrs
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	2.20 kg (mixed)
Flash Point	22°C
Further Coat	Epoxy
Packing size	4 Litres kit.

SURFACE PREPARATION

Steel:
Blast cleaning to SA 2 ½.

APPLICATION

Air or airless spray (preferable). Airless spray tips 13 thou, 2000 p.s.i. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand 15 minutes before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.



GOBIS MICACEOUS IRON OXIDE EPOXY

PRODUCT DESCRIPTION

A polyamide cured two pack epoxy coating MIO based.

TYPICAL USE

- Outstanding abrasion and chemical resistance.
- Excellent anticorrosive properties.
- For use in aggressive and industrial environment.

TYPICAL PAINTING SYSTEM

On Steel

Gobis ZNP Epoxy Primer	1 x 50 um
Gobis MIO Epoxy	2 x 50 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

APPLICATION

Airless spray (preferable). Airless spray tip 13 thou. 2000 p.s.i. Brush or roller can be used for touch up work. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand half an hour before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.

TECHNICAL INFORMATION

Color	Silver Grey and Brown
Finish	Semi
Volume Solids	60% + 2
DFT	50 – 100 µm
Wet	83.5 - 167 µm
Spreading Rate	12 - 6 m ² / L.
Mixing Ratio	3:1 (Base: hardener)
Drying Time	2 - 4 hrs @ 30 °C.
Recoating Time	16 – 20 hrs.
Induction Time	20 mins.
Pot Life	8 hrs.
Curing Time	Attains maximum hardness and chemical resistance 5 - 7 days.
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.3 kg (mixed)
Flash Point	23 °C.
Packing size	4 & 20 Litres kit.

SURFACE PREPARATION

Steel:
Blast cleaning to Sa 2½ Swedish STD.

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.



DISCLAIMERS

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STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

GOBIS EPOXY FINISHES

PRODUCT DESCRIPTION

A polyamide cured two pack epoxy coating.

TYPICAL USE

- Protection of floors subject to alkalis, bleaches, dilute acids, water & solvents.
- For use in industrial and corrosive marine service.
- Areas subject to heavy wear and tear.
- Portable water storage tanks.

TYPICAL PAINTING SYSTEM

On Steel	
Gobis ZNP Epoxy Primer	1 x 50 um
Gobis Epoxy Coating	2 x 50 um
Floor	
Gobis Epoxy Sealer	1 x 20 um
Gobis Epoxy Coatings	2 x 75 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

SURFACE PREPARATION

Steel

Blast cleaning to Sa 2½ Swedish STD.

New plaster, concrete

Ensure surface is dry scrape off any building residues, stiff brush over all.

Moisture content should not exceed 4%.

TECHNICAL INFORMATION

Color	Standard Colour Range
Finish	Semi
Vol Solid	50%
DFT	50 - 75 um
Wet	100 - 150 um
Spreading Rate	10 - 6.7 m ² /L
Mixing Ratio	3 : 1 (Base: Hardener)
Drying Time	2 - 4 hrs. at 30°C.
Recoating Time	8 - 12 hrs.
Induction Time	20 mins.
Pot Life	8 hrs
Curing Time	Attains maximum hardness and chemical resistance 5 - 7 days.
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.26 kg (mixed)
Flash Point	23°C
Packing size	4 & 20 Litres kit.

APPLICATION

Brush, roller or airless spray (preferable). Airless spray tip 13 thou, 2000 p.s.i. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand half an hour before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.



CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

DISCLAIMERS

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GOBIS SURFACE TOLERANT EPOXY

PRODUCT DESCRIPTION

An amine cured two pack epoxy coating.

TYPICAL USE

- Steel, where blast cleaning not feasible.
- For use in industrial and corrosive marine service.
- Gives excellent corrosion protection.
- High solids.

TYPICAL PAINTING SYSTEM

On Steel

Gobis Surface Tolerant Epoxy	1 x 100 µm
Gobis Epoxy Coating	2 x 50 µm

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

SURFACE PREPARATION

Steel:

Blast cleaning to Sa 2½ Swedish STD.

TECHNICAL INFORMATION

Color	Standard Colour Range
Finish	Matt
Volume Solids	70 %
DFT	50 - 100 µm
Wet	71.4 - 142.8 µm
Spreading Rate	14 - 7 m ² / L.
Mixing Ratio	3:1 (Base: Hardener)
Drying Time	2 - 4 hrs @ 30 °C.
Recoating Time	6 - 8 hrs.
Pot Life	8 hrs.
Curing Time	Attains maximum hardness and chemical resistance 5 - 7 days.
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.25 kg. (mixed)
Flash Point	23 °C
Packing size	4 Litres kit.

APPLICATION

Brush, roller or airless spray (preferable). Airless spray tip 13 thou, 2000 p.s.i. Not to be applied below 10° C. Mix individual components to uniform consistency. Use of thinner other than that, specified or recommended may adversely affect the product performance.

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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HEALTH AND SAFETY

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GOBI'S EPOXY COALTAR

PRODUCT DESCRIPTION

A polyamide cured two pack epoxy coaltar.

TYPICAL USE

- Highly resistant to water immersion and chemicals.
- Suitable for permanent and intermittent water immersion.
- On buried tanks and pipes.
- Very good sag resistant

TYPICAL PAINTING SYSTEM

On Concrete / Steel

Gobis Epoxy Coaltar 3 x 100 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

TECHNICAL INFORMATION

Color	Black
Finish	Semi - Gloss
Vol Solid	80 - 85 %
DFT	80 - 120 um
Wet	123 - 184.6
Spreading Rate	8.1 - 5.4 m ² /L
Mixing Ratio	3:1 (Base: Hardener)
Drying Time	2 - 4 hrs. at 30°C.
Recoating Time	8 - 12 hrs.
Induction Time	20 mins.
Pot Life	8 hrs
Curing Time	Attains maximum hardness and chemical resistance 5 - 7 days.
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.26 kg (mixed)
Flash Point	23°C
Further Coat	Coat on coat
Packing size	4 & 20 Litres kit.

SURFACE PREPARATION

Concrete:

The concrete must be fully cured, e.g. 28 days for normal Portland cement, and completely dry with humidity content in the surface below 4%.

Steel:

Blast cleaning to Sa 2½ Swedish STD.

APPLICATION

Brush, roller or airless spray (preferable). Airless spray tip 13 thou, 2000 p.s.i. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand half an hour before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

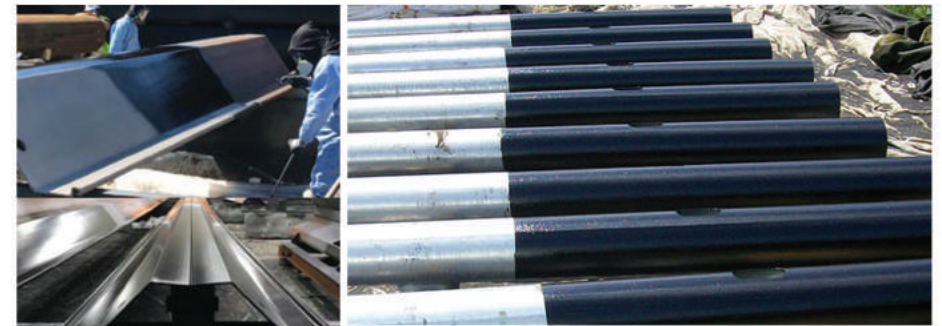
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CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.



GOBIS EPOXY PHENOLIC

PRODUCT DESCRIPTION

A two-pack polyamine cured phenolic epoxy coating.

TYPICAL USE

- Highly resistant to chemicals and solvents.
- Especially designed for tank lining.
- High performance in chemical environment.
- Can be used as primer, mid coat and as a finish coat.

TYPICAL PAINTING SYSTEM

On Steel

Gobis Epoxy Phenolic 3 x 100 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

TECHNICAL INFORMATION

Color	Limited Colour Range
Finish	Semi - Gloss
Vol Solid	62% + 2
DFT	50 - 100 um
Wet	150 - 250 um
Spreading Rate	6.7 - 4 m ² /L
Mixing Ratio	3:1 (Base: Hardener)
Drying Time	2 - 4 hrs. at 30°C.
Recoating Time	8 - 12 hrs.
Induction Time	20 mins.
Pot Life	8 hrs
Curing Time	Attains maximum hardness and chemical resistance 5 - 7 days.
Thinner / cleaner	Epoxy
Weight / Litre (S.G)	1.25 kg (mixed)
Flash Point	23°C
Packing size	4 Litres kit.

SURFACE PREPARATION

Steel:
Blast cleaning to Sa 2½ Swedish STD.

APPLICATION

Brush or airless spray (preferable). Airless spray tip 13 thou, 2000 p.s.i. Not to be applied below 10°C. Mix individual components to uniform consistency, then combine in the recommended ratio, allow to stand 15 min before use. Thin as required for brush or spray application with recommended thinner. Do not thin separately packed components. Use of thinner other than that specified or recommended may adversely affect the product performance.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.



GOBIS SOLVENT FREE SELF LEVELING EPOXY

PRODUCT DESCRIPTION

A two-pack solvent free self-levelling epoxy coating which gives smooth, glossy and seamless finish.

TYPICAL USE

- Scratch resistant, with highly cohesive and ten site strength.
- No solvent no pinholes, no smell in confined spaces.
- Greater tolerance to high film thickness, 0.3 mm to 5 mm in single coat.
- Chemical and water resistant
- Suitable for use at food processing facilities, hospitals, shopping centers, industrial plant floors, ware houses, aircraft hangers, garages, show rooms, pharmaceutical factories, panel rooms, laboratories etc.

TYPICAL PAINTING SYSTEM

on Concrete

Gobis Epoxy Clear/Sealer

1 x 20 um

Gobis SF SL Epoxy

1 x 1000 um

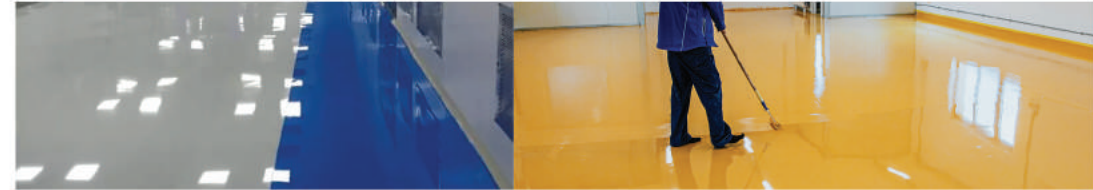
COMPARISON BETWEEN SOLVENT BASED AND SOLVENT FREE COATING

DATA	SOLVENT BASED COATING	SOLVENT FREE COATING
Volume solids % approx.	52	100
Coverage (SQF) at 100 microns DFT	55.9	107.5
Maximum achievable film thickness per coat	100 microns	t- > 5000 microns
Number of coats excluding sealer	2	1
Solvent % by volume	48 which goes into air.	No solvent
Cracks repair	Required	Same would do
Chemical resistance	Moderate	High
Flash point	23°C	>100°C
Total cost per SQF	More	Less
Curing Time	More	Less
Finish	Moderate	Excellent

SF SL EPOXY COATING IS ECONOMICAL, SAFER AND PERFORMS BETTER.

TECHNICAL INFORMATION

Color	Grey, other colours on request
Finish	Glossy
Volume Solids	100%
DFT	0.5 - 2 mm
Wet Spreading Rate	0.5 - 2 mm
Recoating Time	2.0 - 0.5 m ² / L (2l - 5.4 sqf)
Induction Time	Not Required
Pot Life	Nil
Curing Time, 30 °C	2 hrs.
	Open for traffic 24hrs. Fully cured 3 days
Weight / Litre (S.G)	1.10 - 1.20 kg of mix
Flash Point	> 100 °C.
Further Coat	Not Required
Packing size	10 kg kit



SURFACE PREPARATION

Surface preparation is the most important part. Concrete substrate must be fully cured at least for 28 days. It must be dry, sound and clean. Pull off strength of concrete should not be less than 1.5 Mpa & compressive strength 25 Mpa.

There are basically three steps involved in preparing the concrete floor.

- Cleaning the surface.
- Washing to remove contaminants, oil, grease etc.
- Acid etching or removal of laitance.

Remove loose material and dust by vacuum cleaning; ensure that no loose material is left. Wash away oil, grease and releasing agents with detergent & water; rub the surface with hard bristle brush followed by rinsing with plenty of water. Laitance is an accumulation of fine particles on the surface of fresh concrete due to an upward movement of water (as when excessive mixing water is used). It does not allow coating to penetrate into surface which results in poor bonding. It can be removed by acid etching.

ACID ETCHING

Prepare 20 % commercial Muriatic acid solution in water. Add acid into water, not water into acid. Spread on the surface, scrub the surface with stiff bristle brush. The vigorous formation of bubbles indicates proper etching. Let the bubbles cease, it would take 2-3 minutes, rinse thoroughly and repeatedly with fresh water before the surface dries. Ensure that acid is removed. Let the surface completely dry before painting. To test the soundness of surface is to strike the surface with the edge of a hammer head. If the hammer rebounds sharply leaving no more than a small fracture, the surface is sound. If it lands with a dull thud and leaves powder in the indentation, the surface is not considered sound or paintable. There are number of other ways of preparing concrete surface e.g. captive shot blasting, high pressure water jetting, grinding etc. Vacuum shot blasting is the best method for achieving a good profile for bonding and should be used where possible.

PAINTING SYSTEM AND APPLICATION

Substrate temperature should be between 15 °C – 35 °C and moisture content < 4%. Relative humidity during application should not be more than 70%.

Apply a coat of Epoxy clear/sealer by brush to ensure that it is forced to all pores of concrete. Clear/Sealer is ready to use, no thinning required. Once sealer becomes tack free in 2-4 hrs., apply one coat of SF SL Epoxy. Mix both components 'Resin' and 'Hardener' using slow speed drill mixer for minimum 3 minutes. Pour evenly on the surface and spread to desired thickness. Do not thin it. Workers are advised to use spike shoes to allow the material self-level. To improve the surface texture and appearance, lightly back roll using spiked roller, continue till entrapped air is released.

Not to be applied below 10 °C. Mix in recommended ratio (4:1). Mix only that quantity which is supposed to be consumed within the pot life of paint.

HEALTH AND SAFETY

Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

STORAGE

The product should be kept in a ventilated place, protected from heat and sunlight.

DISCLAIMERS

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GOBIS POLYURETHANE FLOORING

PRODUCT DESCRIPTION

- PU-Flooring is a single layer, seamless, solvent-free, polyurethane flooring system with a smooth matt surface finish.
- It has high impact resistance and withstands abrasive wear and a wide spectrum of chemicals.
- High chemical resistance to organic acids diluted mineral acids, vegetable and animal fats, petroleum oils and solvents.
- Easy to clean and sterilize anti-slip surface, wide temperature -15 C to 80 C o o
- High thermal shock resistance for hot water and steam cleaning.
- Freeze/thaw resistant
- Non tainting and non-dusting
- High abrasion resistance for heavy vehicular traffic.
- Withstands high mechanical stress
- Good alternative to expensive acid resistant tiles
- Low odor during application
- Positive slip resistance
- Monolithic application
- Moisture tolerant

FIELD OF APPLICATION

PU-Flooring is used in situations subject to constant exposure to aggressive chemicals, high heat cleaning and mechanical abuses.

- Production and repair premises
- Workshops, dairies, abattoirs, laboratories, exhibition halls, power stations, chemical plants.
- Beverage production - including soft drink manufacturing.
- Pharmaceutical areas
- Waste water treatment plants
- Food production and processing

EU-DIRECTIVE 2004/42 EG (DECO PAINT-GUIDELINES)

The maximum VOC content limit (product category IIA/ j type SB) in its ready to use condition is 500 g/L (limit 2010).

The maximum VOC content of PU-Flooring in its ready to use condition is < 500 g/L

Consumption	1.73 kg/m ² /mm
MATERIAL DATA	
Weight Units Supplied	20 kg, others on request
Self-Life	12 month after production
Storage Condition	In original Sealed unites dry cool and free of frost.

TECHNICAL INFORMATION

Type	Poly Urethane	PU-CRETE MF	
Mixing Ratio		A:B	1:1
Density (23° C/50% rel. Humidity)	BS 6319 : Part 5	Kg/dm ³	1.7
Compressive strength	(BS6319)	N/mm ²	60
Flexural strength	(BS6319)	N/mm ²	20
Tensile strength	(BS6319)	N/mm ²	10
Curing time			
Light traffic	20° C	Day	01
Full traffic	20° C	Day	02
Full chemical cure	20° C	Day	03
Viscosity (A:B)	28° C	MPAS	500-1000
Solid state		%	100
Coating thickness		mm	3-6
Flexural strength	(BS6319)	N/mm ²	20
Adhesive Bond strength	(BS6319)		Concrete failure
Shore a/shore d		D	80-82
Abrasion resistance	ASTM D4060 Taber	Abrader	50mg loss per 1000 cycles (1kg load using CS17
50mg loss per 1000 cycles (1kg load using CS17 wheels)	Excellent resistance to sugars and most acids (organic and inorganic)		
Vapor permeability	ASTM E96:90	24 Hr (g/m ²)	3
Water permeability	Karsten test		Nil (impermeable)
Thermal resistance	3mm 6mm		15 °C to 60 °C -15 °C to 80 °C
Impact resistance	BS8204 Part1 Cat: A		(<0.5mm)
Slip resistance	BS6677:Part 1 1986	Dry	100
	Pendulum Slip Test	Wet	Min 35
Fire resistance	BS476-7:Surface		Class 2 (Indicative)
	Spread of flame:		
Thermal conductivity	BS 874	W/m. °C)	1.1
Thermal expansion	ASTM C531 : Part 4.05	°C-1	2-6 x 10-5

GOBIS POLYURETHANE PU-FLOORING

GISCODE: RE 1

For safe handling of PU resins and their curing agents we do recommend attention to the following leaflets as a matter of principle: Leaflet BG-Regel BGR 227, Handling of pu resins. (Ed.: Berufsgenossenschaft der Chemischen Industrie). Furthermore, the relevant physical, safety-related, toxicological and ecological data have to be taken from the specific material safety data sheets.

HYGIENE

Taint tests carried out on PU-flooring at the Leatherhead Food Research Association under artificially severe conditions showed that the risks of tainting foodstuffs are minimal during and after complete cure.

GUIDE TO APPLICATION SURFACE PREPARATION:

The preferred method for surface preparation of concrete is captive blasting, which gives a well-prepared laitance free, vacuum cleaned surface. Prior to application flooring should be stored under cover in an air-conditioned environment and protected from extremes of temperature which may cause inconsistent workability, finish and cure times for the mixed material. Using a slow speed drill and paddle, mix the components for a minimum of 1 minute, or until all striations have disappeared. Apply the mixed sealer to the prepared dust free surface with a medium pile roller, at the rate of 6- 8m² per liter depending on the surface profile of the concrete. If the concrete is very absorbent, a single application may not be sufficient and a second coat may be required to ensure the surface is completely sealed. Allow the sealer to become

tack free before applying the PU-flooring.

MIXING:

Pour the reactor into the base and, using a suitable drill and paddle, mix the components together until a uniform color is achieved. Mixing should be for a minimum of one minute. Pour the mixed components into a suitable mixing vessel of 30-liter capacity. With the mixer still running, slowly add the aggregate and mix for 2 minutes or until the mixture is smooth and free of lumps. Always keep the mixing time the same for all batches, to ensure a uniform color when the product is applied.

LAYING:

Pour the mixed material onto the primed and sealed surface, and spread to the required thickness using a pin screed, notched trowel or steel float. As soon as the material has been spread to the required level, the applied material should be rolled with a spiked roller to release entrapped air and remove trowel marks. Rolling should be continued until all air is released and a uniform color is obtained. The operator should always wear spiked shoes when using the spiked roller so that he can walk in the wet material. Rolling should cease before the PU-flooring begins to gel.

EQUIPMENT

Vacuum recovery shot blasting, machine, Scarifier, (Errut / Von Arx), Masking tape / polythene sheets Grinder, Heaters for cold weather work Overalls, Trowels Lighting, Slow speed drill with suitable, paddle, Spiked roller, Brushes or short nap hair rollers Spiked shoes,

MIXING:

Remove PU flooring from tools, and equipment whilst still wet using SOLVENT, No. 2. Cured resin will require mechanical removal.



CURING:

The curing of reactive polymers is affected in particular by the ambient and sub surface's temperature. Low temperatures slow the polymer's chemical reactions and thus prolong the time required for application, until the surface is ready for the second coat, until being able to walk on, and the floor's total curing time; as well as increasing the amount of material required due to the higher viscosity. High temperatures accelerate the chemical reactions, thus correspondingly diminishing the above times. In order for the reactive polymer to fully cure, the mean temperature of the subsurface must always be higher than the minimum temperature. When used outdoors, it must be ensured that the coating is protected from damp for a sufficient period of time after application, since premature exposure to damp can cause the surface to turn white and/or sticky, which can significantly impact on the adhesion of the next coating and might mean that the polymer layer might have to be removed again using e.g. sandblasting. The existing material underneath this layer will cure without any problems.

GOBI'S EPOXY THINNER

PRODUCT DESCRIPTION

A blend of aromatics and selected solvents.

TYPICAL USE

- For thinning Epoxy coatings.
- Selected solvents which give better flow and good gloss.

CONDITIONS DURING APPLICATION

Material is highly inflammable .Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

TECHNICAL INFORMATION

Color	Clear Transparent Liquid.
Volume Solids	Zero 100% Volatile.
Mixing Ratio	Single Pack
Weight / Litre (S.G)	0.88 kg
Flash Point	Below 23° C
Packing size	1L, 4L, 20L, 200L

STORAGE

The product should be kept in well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

DISCLAIMERS

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GOBIS ETHYL ZINC SILICATE PRIMER

PRODUCT DESCRIPTION

A two-pack moisture curing Ethyl Zinc Sillicate primer.

TYPICAL USE

- For use in industrial and marine environment.
- Can be used on interior / exterior of steel structures above the water line.
- Chemical and solvent resistant.
- Heat resistant.

TYPICAL PAINTING SYSTEM

On Steel

Gobis Ethyl Zinc Sillicate Primer	1 x 60 µm
Gobis Epoxy Coating	2 x 50 µm
or	
Gobis 2 k Finish	2 x 50 µm

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20 % by conventional spray application.

TECHNICAL INFORMATION

Color	Grey
Finish	Matt
Vol Solid	60% ± 2
Mixing Ratio	Component A 3.2 Ltr Component B 0.8 Ltr
DFT	50 - 80 µm
Wet	83 - 133 µm
Spreading Rate	12 - 7.5 m ² /L
Drying Time	30 min. at 30°C.
Recoating Time	8 - 10 hrs
Pot Life	8 hrs
Weight / Litre (S.G)	2.2 - 2.3 kg
Flash Point	16°C
Further Coat	Epoxy, Polyurethan etc.
Packing size	4 Litres kit.

SURFACE PREPARATION

Steel:
Blast cleaning to SA 2½.

APPLICATION

Air or airless spray (preferable). Airless spray tips 13 thou, 2000 p.s.i. Not to be applied below 10° C. Pour powder into liquid portion slowly under stirring. Thinner should be added after mixing both components. Do not thin separately packed components.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.



GOBIS HEAT RESISTANCE PAINT (600-650 °C / 1100-1200 °F)

PRODUCT DESCRIPTION

A silicone-based paint especially to resist the heat.

TYPICAL USE

- To be used as a topcoat on items exposed to high temperature up to 650 °C (1200 °F).

TYPICAL PAINTING SYSTEM

On Steel

Gobis Heat Resistance paint One Coat

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20% by conventional spray application.

APPLICATION

Conventional or airless spray. Brush or roller can be used for small area.

TECHNICAL INFORMATION

Color	Black & Aluminium
Finish	Gloss
Vol Solid	35% ± 2
Mixing Ratio	Single Pack
Weight / Litre (S.G)	0.9 - 1.10
Flash Point	23°C
Further Coat	Single coat
Packing size	0.91 and 3.64 Litres.

SURFACE PREPARATION

Steel blast cleaning to SA 2 ½

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Mix the paint to uniform consistency before application.



STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

GOBIS ROOF GUARD

PRODUCT DESCRIPTION

High quality single pack water-based roof coat. It forms seamless, joint free membrane.

TYPICAL USE

- For use on plaster, concrete, wooden, metal, terrazzo roof tiles.
- Elastomeric, water and weather resistant.
- Lowers roof and interior temperature.
- Very low VOC content.

TYPICAL PAINTING SYSTEM

Gobis Roof Guard	1 st coat 20% diluted
Gobis Roof Guard	2 coats

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10% to 20 % by conventional spray application.

APPLICATION

Brush, roller or spray gun. Prime the clean surface with Roof Guard diluted with 20 % water. Apply two coats at the rate of 0.5 – 1.0 kg / m², depending on site requirement. Where substantial movement is anticipated, lay the polyester mesh in the wet 1st coat before the application of subsequent coats. Allow 24 hrs between coats. Final curing in 48 hrs.

TECHNICAL INFORMATION

Color	White, other colour available on request Silk
Finish	Silk
Generic Type	Acrylic Emulsion
Elongation	> 100 psi (ASTM D- 2370)
Volume Solids	42% ± 2
Spreading Rate	0.5 - 0.8 Kg/ m ² (10.8 sq.Ft) per coat or .074 kg/ sq.ft.
Recoating Time	24 hrs.
Thinner / Cleaner	Clean Water
Weight / Litre (S.G)	1.15 - 1.20
Flash Point	None
Further Coat	Coat on coat
Packing size	18 Kgs.

SURFACE PREPARATION

First seal leaks before coating with Roof Guard. Surface must be clean from all loose material and in good repair. Sweep and hose area to remove all dust, dirt and residues. Scrub areas where water ponds with detergent and water, rinse well.

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Mix the paint to uniform consistency before application.



STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

GOBIS CHLORINATED RUBBER FINISH

PRODUCT DESCRIPTION

A chlorinated rubber-based paint finish.

TYPICAL USE

- A protective and decorative finish for chemical and marine environment.
- Resistant to a number of chemicals.
- Not recommended where solvents, oil or fats are present.
- In swimming pool

TYPICAL PAINTING SYSTEM

On Steel	
Gobis ZNP Epoxy Primer	1 x 50 um
Gobis CR Finish	2 x 25 um

COVERAGE

Theoretical coverage is calculated on standard formula based on volume solids at given dry film thickness. Practical coverage will always be different than theoretical. Normally factor can go from 10 % to 20 % by conventional spray application.

APPLICATION

Brush, roller or airless spray (preferable). Airless spray tip 13 thou, 2000 p.s.i. Thin as required for brush or spray application with recommended thinner. Do not thin Use of thinner other than that specified or recommended may adversely affect the product performance.

TECHNICAL INFORMATION

Color	Standard Color Range
Finish	Gloss
Vol Solid	26 % + 2
DFT	25 um
Wet	96 um
Spreading Rate	10.4 m ² /L
Mixing Ratio	Single Pack
Drying Time	1 - 2 hrs. at 30°C.
Recoating Time	8 hrs.
Thinner / cleaner	Xylene
Weight / Litre (S.G)	1.20 kg
Flash Point	23 °C
Packing size	3.64L & 20 L

SURFACE PREPARATION

Steel:
Blast cleaning to Sa 2 ½ Swedish STD.

New plaster, concrete
Ensure surface is dry. Scrape off any building residues, stiff brush over all.

CONDITIONS DURING APPLICATION

The temperature of the substrate should not be less than. 5°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

STORAGE

The product should be kept in a well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

DISCLAIMERS

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HEALTH AND SAFETY

Ensure proper ventilation during application and drying of paint. Avoid inhalation of paint mist and vapours and skin contact. Spillage of paint on skin should immediately be removed with suitable cleanser soap and water. Eyes should be well flushed with water and immediate medical attention should be sought.

