

DEKRO PAINTS

ROOF COATINGS

GUIDELINES FOR ROOF COATING APPLICATIONS

Introduction

Dekro Paints provides a variety of coatings suitable for various roofing systems.

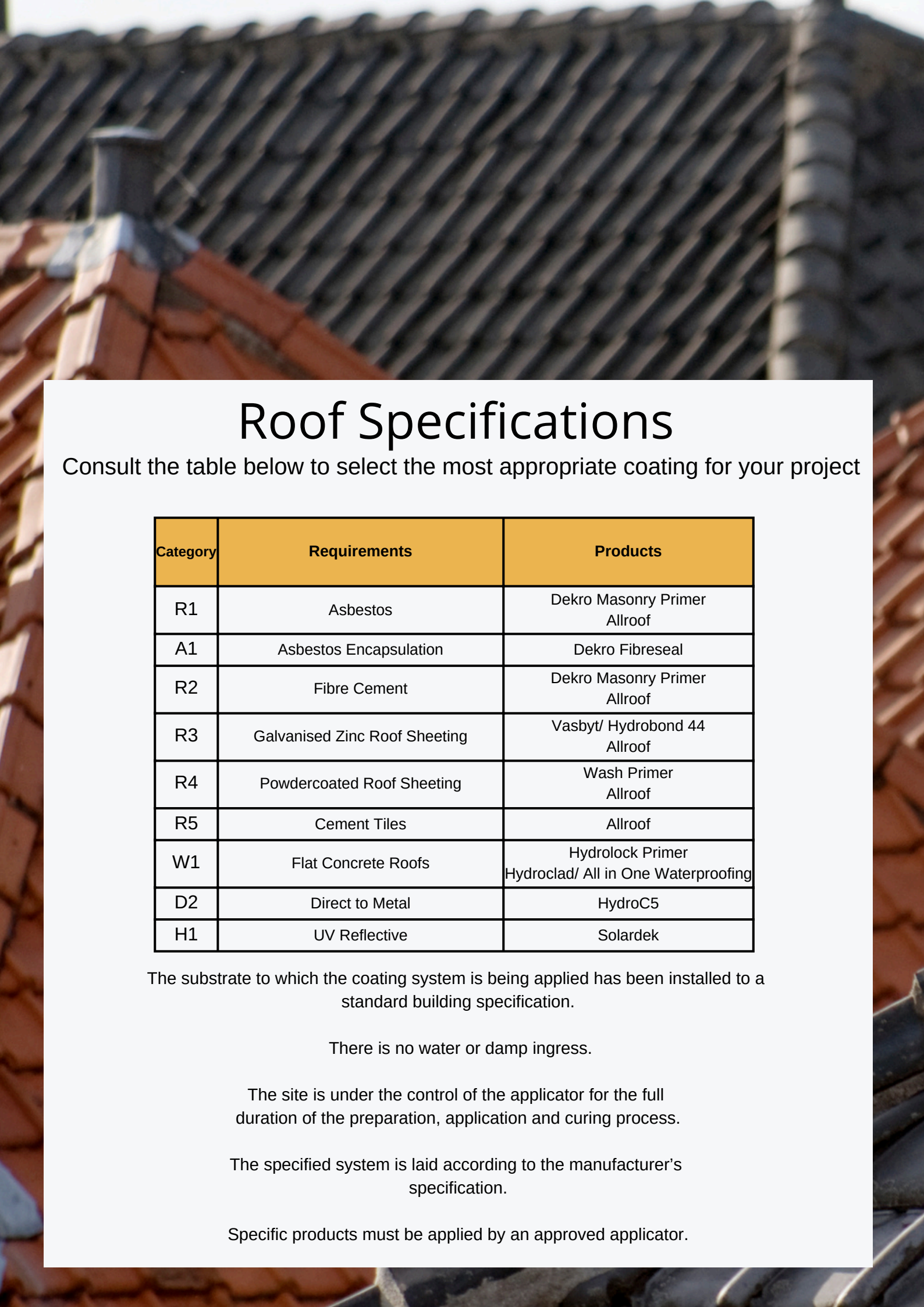
Roofs take the brunt of sun exposure, weather variations, and environmental fluctuations. Roofs don't always get the appropriate coverage needed to lay down a proper defense system.

Left without appropriate coatings, your roof will start deteriorating, along with the usual wear and tear. These damages will even take a significant toll on your building or home's efficiency.

When it comes to dressing your roofing, roof coatings can help extend the life and efficacy of your investment.

Roof coatings typically involve repairing, patching, and coating your roof in the appropriate application. This roofing service involves restoring and weatherproofing your system to handle the roughest of weather conditions. When applied correctly, roof coatings will add years to the life of your roof.





Roof Specifications

Consult the table below to select the most appropriate coating for your project

Category	Requirements	Products
R1	Asbestos	Dekro Masonry Primer Allroof
A1	Asbestos Encapsulation	Dekro Fibreseal
R2	Fibre Cement	Dekro Masonry Primer Allroof
R3	Galvanised Zinc Roof Sheeting	Vasbyt/ Hydrobond 44 Allroof
R4	Powdercoated Roof Sheeting	Wash Primer Allroof
R5	Cement Tiles	Allroof
W1	Flat Concrete Roofs	Hydrolock Primer Hydroclad/ All in One Waterproofing
D2	Direct to Metal	HydroC5
H1	UV Reflective	Solardek

The substrate to which the coating system is being applied has been installed to a standard building specification.

There is no water or damp ingress.

The site is under the control of the applicator for the full duration of the preparation, application and curing process.

The specified system is laid according to the manufacturer's specification.

Specific products must be applied by an approved applicator.

Hydrowash Antifungal

Chlorine free biocide for sterilising surfaces prior to painting.

Hydrowash Fungicidal is a broad spectrum biocide developed for sterilising surfaces prior to painting. Suitable for eliminating mould, bacterial and algae growths, and their spores prior to application of Hygiene systems.It is supplied ready for use and contains a blue dye to assist with ensuring all affected areas are treated during application.

Rainproof

Modified flexible acrylic emulsion with a slight sheen for waterproofing of roofs, parapets and wall surfaces.

Rainproof is a waterproofing paint if used as liquid membrane.
Forms a waterproofing system when used in combination with a polyester membrane.
Resists mould and fungus growth.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.

Dekro Masonry Primer

A matt finish solvent based co-polymer acrylic primer with excellent alkali resistance.

Recommended for application to new and old asbestos roof surfaces.
Ideal for suitably prepared friable surfaces.
Due to its unique properties Dekrolite Masonry Primer found an early use as a coating below ground level, as in basements and underground parking garages.
Excellent penetration and inter-coat adhesion.

Allroof

A 100% pure acrylic emulsion.

Outstanding adhesion, alkali resistance, water- and weather resistance.
Resistant to acid rain.
Fast drying and over coating properties.
Low odour.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.

Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Hose down roof with fresh water and allow to dry.

Site Note: Always adhere to the ASBESTOS ABATEMENT REGULATIONS, 2020 Published under Government Notice R1196 in GG 43893 of 10 November 2020

Waterproofing of ridge tiles and wall flashings

Apply to the substrate one Primer / sealer coat of Rainproof, diluted with 20% water and allow to dry (drying time is less than one hour at standard condition 25ºC and 50% humidity).
Apply one coat of Rainproof as supplied, to an area not exceeding one metre width of the Polyester Fabric used (Eramesh) and firmly press the fabric into the coating, before the Rainproof coating begins to dry. Repeat the process in one metre length at a time. Overlap the fabric at the bottom of the parapet onto the roof. Allow the application to dry before proceeding. (Drying time is 1 - 1½ hour at standard conditions 25ºC and 50% humidity).

Application
Apply one coat of Dekro Masonry Primer to all areas (full prime), and allow to dry for ± 8 hours.
Apply two coats of Dekro Allroof and allow 4-6 hours drying time between coats.

Or Apply one coat of Dekro Allroof thinned 10% with water and allow 4-6 hours drying time.
Apply Second unthinned coat of Dekro Allroof / Solardek to a minimum film thickness of 64µ.



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Fibreseal

Fibre Release Suppressant

Fibre-seal is a water based polymer emulsion designed to suppress fibre release on asbestos substrate surfaces. Fibreseal fulfils specific functions to control the release of airborne asbestos fibre levels. As a sealant and once dry will aid the removal of asbestos by binding together the fibres. It also has exceptional penetrating properties for the wet stripping of asbestos.

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Preparation

Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Hose down roof with fresh water and allow to dry.

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Application

For treatment of substraits containing asbestos apply with low pressure spray equipment and always ensure that the material is thoroughly wet.
For the post abatement treatment apply with
foam or wool roller.
NB. When used as sealant, never exceed a three coat application and allow a time period for the water to evaporate between coats.

Spray Application - Almost all types of industrial spray equipment is suitable
at a maximum pressure of (25 P.S.I). Nozzle Tip size 0.13 to 0.17

Roller
Use only for post abatement treatment application.

Clean all equipment with water. Hardened Fibreseal should be removed with Lacquer Thinners or Xylene.



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Allroof

A 100% pure acrylic emulsion.

Outstanding adhesion, alkali resistance, water- and weather resistance.
Resistant to acid rain.
Fast drying and over coating properties.
Low odour.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.



Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth.High Pressure Wash entire roof surface to remove all laitance and defective coatings

Waterproofing of ridge tiles and wall flashings

Apply to the substrate one Primer / sealer coat of Rainproof, diluted with 20% water and allow to dry (drying time is less than one hour at standard condition 25ºC and 50% humidity).
Apply one coat of Rainproof as supplied, to an area not exceeding one metre width of the Polyester Fabric used (Eramesh) and firmly press the fabric into the coating, before the Rainproof coating begins to dry. Repeat the process in one metre length at a time. Overlap the fabric at the bottom of the parapet onto the roof. Allow the application to dry before proceeding. (Drying time is 1 - 1½ hour at standard conditions 25ºC and 50% humidity).

Application
Apply one coat of Dekro Allroof thinned 10% with water and allow 4-6 hours drying time.
Apply Second unthinned coat of Dekro Allroof to a minimum film thickness of 64µ.

Hydromet Rust Converter

A New liquid-type additives based rust convertor that can provide excellent long-term anticorrosion performance that converts rust into a protective coating.

Preventing the "migration" of rust through paint film, even on freshly rusted surfaces. Preserving the coating's colour. Avoiding strong de-rusting operations before painting, without loss of performance. Not compromising the coating anticorrosion performance on non-rusted substrates.

Vasbyt

A Fast Drying Acid Hardening Metal Etch Primer.

Excellent adhesion to ferrous metal and galvanised iron
Single pack, no elaborate catalyst mixing ratios to observe.
Good film strength, providing a resilient film for over coating.
Free from toxic materials
Improves corrosion resistance of industrial coating systems.
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Hydrobond 44

A Modified Acrylic Emulsion for anti-corrosion primer for iron surfaces.

Water based anti-corrosive and rust-inhibiting coating.
Provides excellent protection for iron and other metal surfaces in corrosive-industrial environments.
Assists in inhibiting or preventing corrosion, under rusting and rust-creep.

Allroof

A 100% pure acrylic emulsion.

Outstanding adhesion, alkali resistance, water- and weather resistance.
Resistant to acid rain.
Fast drying and over coating properties.
Low odour.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.

Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Remove all loose, flaking and powdery paint or surface laitance by hydro blasting. Prime all rust affected areas with a single coat of Hydromet Rust Converter, Clean Roof with Galv-O-Clean to remove any other surface contamination. Rinse with clean water and allow to dry.

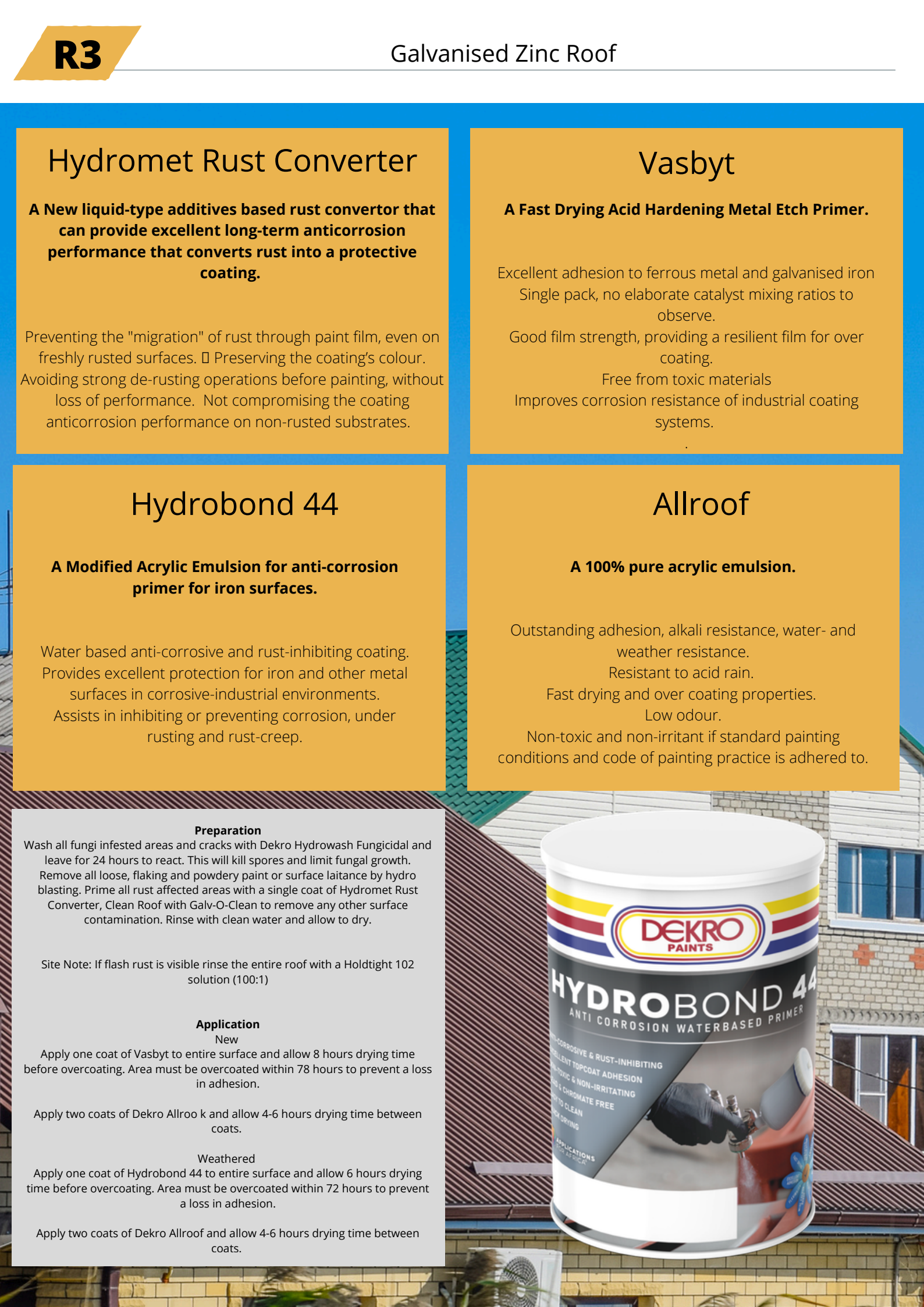
Site Note: If flash rust is visible rinse the entire roof with a Holdtight 102 solution (100:1)

Application
New
Apply one coat of Vasbyt to entire surface and allow 8 hours drying time before overcoating. Area must be overcoated within 78 hours to prevent a loss in adhesion.

Apply two coats of Dekro Allroo k and allow 4-6 hours drying time between coats.

Weathered
Apply one coat of Hydrobond 44 to entire surface and allow 6 hours drying time before overcoating. Area must be overcoated within 72 hours to prevent a loss in adhesion.

Apply two coats of Dekro Allroof and allow 4-6 hours drying time between coats.



Hydromet Rust Converter

A New liquid-type additives based rust convertor that can provide excellent long-term anticorrosion performance that converts rust into a protective coating.

Preventing the "migration" of rust through paint film, even on freshly rusted surfaces. Preserving the coating's colour. Avoiding strong de-rusting operations before painting, without loss of performance. Not compromising the coating anticorrosion performance on non-rusted substrates.

Wash Primer

-A Vinyl Butyral based Primer, which confirms to SABS Standard 723 type Wash Primer.

Twin Pack Etch Primers have limited anti-corrosive properties, and are not intended for exposure to the elements for any length of time.
Primers such as Zinc Phosphate are normally applied over Etch Primers to reinforce and provide additional anti-corrosive properties.

Allroof

A 100% pure acrylic emulsion.

Outstanding adhesion, alkali resistance, water- and weather resistance.
Resistant to acid rain.
Fast drying and over coating properties.
Low odour.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.



Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Remove all loose, flaking and powdery paint or surface laitance by hydro blasting. Prime all rust affected areas with a single coat of Hydromet Rust Converter,

Site Note: If flash rust is visible rinse the entire roof with a Holdtight 102 solution (100:1)

Application
Apply one coat of Dekro Wash Primer to entire surface and allow 2-3 hours drying time before overcoating. Area must be overcoated within 24 hours to prevent a loss in adhesion.
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Apply two coats of Dekro Allroof and allow 4-6 hours drying time between coats.

Hydrowash Antifungal

Chlorine free biocide for sterilising surfaces prior to painting.

Hydrowash Fungicidal is a broad spectrum biocide developed for sterilising surfaces prior to painting. Suitable for eliminating mould, bacterial and algae growths, and their spores prior to application of Hygiene systems.It is supplied ready for use and contains a blue dye to assist with ensuring all affected areas are treated during application.

Rainproof

Modified flexible acrylic emulsion with a slight sheen for waterproofing of roofs, parapets and wall surfaces.

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Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth.High Pressure Wash entire roof surface to remove all laitance and defective coatings

Waterproofing of ridge tiles and wall flashings

Apply to the substrate one Primer / sealer coat of Rainproof, diluted with 20% water and allow to dry (drying time is less than one hour at standard condition 25ºC and 50% humidity).
Apply one coat of Rainproof as supplied, to an area not exceeding one metre width of the Polyester Fabric used (Eramesh) and firmly press the fabric into the coating, before the Rainproof coating begins to dry. Repeat the process in one metre length at a time. Overlap the fabric at the bottom of the parapet onto the roof. Allow the application to dry before proceeding. (Drying time is 1 - 1½ hour at standard conditions 25ºC and 50% humidity).

Application
Apply one coat of Dekro Allroof thinned 10% with water and allow 4-6 hours drying time.
Apply Second unthinned coat of Dekro Allroof to a minimum film thickness of 64µ.

Hydrolock Primer

Water based 2-component epoxy for use on most sound and eroded building substrates where both penetrative and/or surface lying effect is needed.

Hydrolock is a rapid curing, water based primer consisting of two components; a pre-reacted epoxy resin dispersed in water (Part A), and a waterborne modified polyamine solution (Part B). In its wet mixed state, it is milky green and slightly viscous. Hydrolock is suitable for use on most sound and eroded building surfaces where both a penetrative and surface-lying effect is needed. Substrates include concrete (including damp and partially cured cementitious renders, screeds and mortars, bituminous surfaces (eg asphalt), roofing felts, insulation foams, wooden protrusions, previously painted surfaces, glass reinforced polyester and many existing Hygiene solution membranes prior to re-coating. The product's rapid curing properties allow faster contract completion and consequent savings on site/labour costs. Furthermore, because the epoxy component is pre-reacted, it constitutes the lowest hazard form of epoxy systems currently available.

Preparation
Ensure Surface is clean and dust free

Application
Apply one coat of Hydrolock Primer to all areas (full prime), and allow to dry for ± 2 hours. Areas must be overcoated within 5 days otherwise the process must be repeated.

Apply three coats of All-in-one Waterproofing to a minimum film thickness of 600µ and allow 4 hours drying time between coats. Reinforce joints and horizontal surfaces with chopped strand remat, allowing 4 hours drying time before applying second and third coat respectively. (Joints must be applied by brush - Two coat applications are required by splitting into two approximately equal coats.)

Or
Apply two coats of Hydroclad to a minimum film thickness of 300µ and allow 4 hours drying time between coats.

All-In-One Waterproofing

PU Acrylic Polyurethane Dispersion with a slight sheen for waterproofing of roofs, parapets and wall surfaces.

Painter's Pal All-in-one Waterproofing forms a thick, monolithic (seamless), fully-adhered elastomeric film when applied on top of flat roof systems.



HydroC5

A Unique, self-crosslinking acrylic dispersion anti-corrosive coating for metal substrates.

Excellent adhesion to various metals. • Suitable for a wide range of industrial structures. • Exterior coating. • UV resistant. • Anti-corrosive coating. • Resistant against wide range of chemicals. • Direct-to-metal application. • Suitable for C5 industrial environmen

Preparation
Wash all fungi infested areas and cracks with Dekro Hydrowash Fungicidal and leave for 24 hours to react. This will kill spores and limit fungal growth. Remove all surface laitance by hydro blasting.

Site Note: If flash rust is visible rinse the entire roof with a Holdtight 102 solution (100:1)

Application
Prime all rust affected areas two coats of Hydromet Rust Converter, allowing 4-6 hours drying time in between coats to achieve required DFT.

Apply two coats of HydroC5 and allow 1 hour drying time between coats.

Hydromet Rust Converter

A New liquid-type additives based rust convertor that can provide excellent long-term anticorrosion performance that converts rust into a protective coating.

Preventing the "migration" of rust through paint film, even on freshly rusted surfaces. Preserving the coating's colour. Avoiding strong de-rusting operations before painting, without loss of performance. Not compromising the coating anticorrosion performance on non-rusted substrates.





Solardek

A 100% pure acrylic semi-gloss roof coating containing solar reflective white pigment.

Reduces internal temperatures by up to 25%.
Recommended coating for galvanised iron, asbestos/fibre cement, and cement tiles.
Outstanding adhesion, alkali resistance, water- and weather resistance.
Resistant to acid rain.
Fast drying and over coating properties.
Low odour.
Non-toxic and non-irritant if standard painting conditions and code of painting practice is adhered to.





Standard Roof Colours

Consult the table below for a selection of our standard roof coating colours

Chrome Oxide Green

Heritage Green

Terra Brick

Stone Grey

Charcoal

Slate Grey

White

Black



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