

RENOVATION OF METAL AND BITUMINOUS ROOFS

PROTECTING ROOFS MADE EASY

RD
COATINGS



High
Performance



Environmentally
friendly solutions



Safe
& easy

RD Coatings offers a superior line of water-based coatings for the renovation and long term protection of roofs.

Our solutions are perfectly suited for commercial, industrial and private houses, and easy to tailor to fulfill the specific requirement of the region where it's located. Whether the roof is in a tropical, dry, temperate, continental or polar climate, **RD Coatings** has the solution.

Our coating systems consist of cost-effective solutions that can protect roofs against UVs, heat, wear, abrasion, water and of course corrosion. Our systems are easy to apply to prevent any wrongdoing during application that could cause future failures. Our water-based technology enables us to offer solutions that can be applied in occupied areas or buildings with limited nuisance!

Experts in **Water-based**
Technology



METAL ROOFS



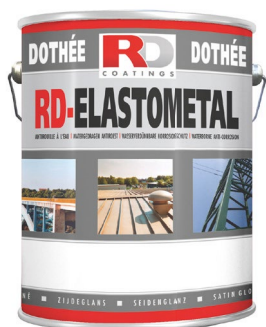
King Baudouin Stadium Brussels, Belgium



Wilkowice, Poland



IHI Corporation Aichi, Japan



WATER-BASED



1 COMPONENT



WIDE VARIETY
OF COLOURS

RD-ELASTOMETAL

Waterproofing + corrosion protection, in one single product

A landmark in the renovation of metal roofs

- Suitable for harsh industrial and marine conditions.
- Lasting flexibility (>200% elasticity).
- Primer and top coat in one, UV and weathering resistant.
- Excellent waterproofing and anti-corrosion properties.
- Unbeatable price/performance.
- Fast and simple application.

Excellent proven technology for the renovation of metal roofs in mild and harsh environments. **RD-Elastometal** is a highly reliable coating system that is protecting millions of square meters of metal roofs worldwide. Its unique elasticity ensures that the coating remains intact in regions that experience broad and frequent temperature changes, preventing the development of film defects.

Many contractors across various industries prefer **RD-Elastometal** as their go-to coating system due to its simple surface preparation requirements, high tolerance during application, and consistent high performance.

Application on a wide variety of substrates

- steel, cast iron
- CorTen steel
- weathered galvanized steel > 1 year
- aluminium (after dilution)
- old painted surfaces
- coated sheets, plastisol, polyester



Single Coating System



Life expectancy



BROOF t1 acc. to
EN 13501-5



Permanent elasticity



Low VOC emissions



Dry Fall

Convenient and simple procedure:



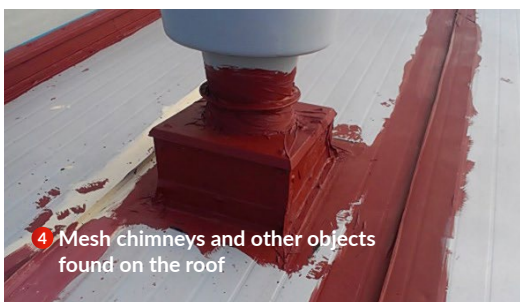
1 High pressure wash



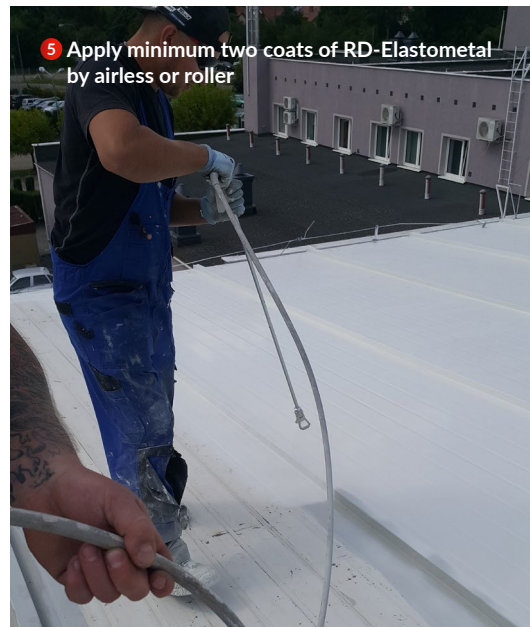
3 Mesh overlaps in case
of water infiltration



2 Check and seal the bolts



4 Mesh chimneys and other objects
found on the roof



5 Apply minimum two coats of RD-Elastometal
by airless or roller

SOLAR REFLECTIVE



WATER-BASED



1 COMPONENT

What is the most important for a Cool Roof coating?



Keep the coating white and as clean as possible for years!

RD-SUNGUARD

One-component water-based cool roof solution coating with exceptional properties:

RD-Sunguard is a white solar reflective coating based on innovative chemistry and meant to be applied on roofs to reflect IR and UV rays from the sun. Thanks to its high Solar Reflective Index (SRI) above 110 and an excellent Total Solar Reflectance (TSR) of 88%, applying **RD-Sunguard** procures a 4-dimensional impact:

- Lower the energy bill of buildings as less energy is used to cool the inside
- Increase the productivity of solar panels on the roof
- Reduce Urban Heat Island Effect (UHI) and lower the Carbon Footprint
- Better thermal comfort by decreasing by several degrees the temperature inside buildings

Applying **RD-Sunguard** as a finish on dark roofs like bitumen roofing or metal roofs is particularly effective. This coating combination can significantly lower indoor temperatures by several degrees, reducing the amount of energy needed to cool the building.

Whether the roof is flat or inclined, **RD-Sunguard** is easy to use on top of **RD-Elastometal** and **RD-Elastodeck** to transform any kind of roof into a cool roof!



Very high reflective properties



High whiteness & UV resistance



Abrasion resistant



Excellent dirt pick up resistance

SCS – SINGLE COATING SYSTEM: THE MEANING

Products marked “SCS” can be used on their own without any additional primer or topcoat. They are specially formulated to be used as primer and finish coat at the same time without compromising on quality!

Using SCS products simplifies the working procedure and lowers the risks of mistakes during the installation. SCS products are most of the time applied in two layers directly on a prepared surface.

Using two distinctive colors, allows better differentiation between the coats, and guarantees that every portion of the surface is equally protected.

RD Coatings products can also be combined with each other to meet the specific requirements and properties of any project.



Water-based coatings



High performance



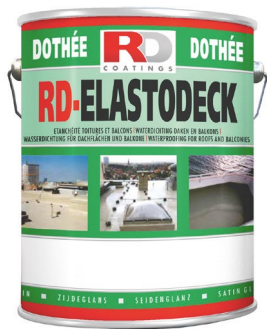
Limited VOC emissions



Safe, No hazards



Tested by accredited laboratories



WATER-BASED



1 COMPONENT



WIDE VARIETY
OF COLOURS

RD-ELASTODECK

Waterproofing of flat roofs, decks and shingles

Eco-friendly – fast drying – easy application

- Prevents and blocks the migration of bitumen oils through the coating.
- Primer and top coat in one, UV and weathering resistant.
- Application by brush, roller or spray.

RD-Elastodeck is a reliable liquid waterproofing system that can be used for a wide variety of projects. When applied in the prescribed thicknesses, **RD-Elastodeck** will procure a durable waterproofing solution. It can be combined with other RD Coatings products to offer additional functionalities to the system such as: colour effects, IR & UV reflection, traffic resistance, etc.

On flat roofs, areas with stagnating water, seams or cracks, the use of **RD-Roof Fleece** is recommended as it will highly increase the durability of the system. Using this solution is incredibly simple and won't slow down the installation process.

Very good adhesion to:

- old bitumen
- concrete and cement
- aged flexible PVC and EPDM (after dilution)
- wood
- old painted surfaces, etc.



If there is traffic on the waterproofing membrane, you can easily solve the issue by selecting and installing on top a floor coating system from our range.



Single Coating System



Life expectancy



Permanent elasticity



Low VOC emissions



Safe, No hazards

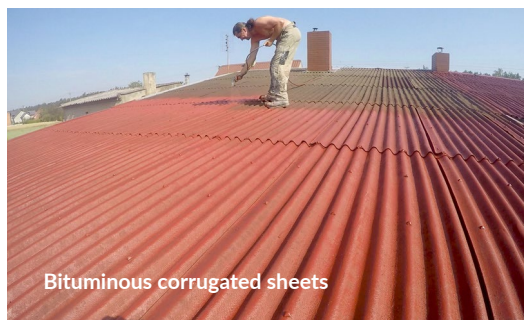


Fast drying

Simple and cost-effective solution for various kind of projects:



Old bituminous roofing



Bituminous corrugated sheets



Bituminous shingles



Fibre cement roofs and tiles

ADVANTAGES OF RD COATINGS PRODUCTS



STRENGTHEN THE COATING FILM: **RD-ROOF FLEECE**

Our specially designed RD-Roof Fleece reinforcement mesh is crucial for strengthening the waterproofing membrane in a variety of situations. Whether you're dealing with existing leaks, cracks, openings, traffic, or other vulnerable surfaces, this mesh can help to reinforce and protect the membrane.

- ▶ RD-Roof Fleece is supplied in rolls of various width to perfectly match the requirements: 20 cm – 60 cm – 120 cm

PREPARING THE SURFACE: **RD-ECO POWERCLEAN**

The future success of any coating system depends for the most on the quality of the surface preparation.

- ▶ RD-Eco PowerClean is a powerful biodegradable 2 in 1 alkaline concentrate formulated with special anti-flash rust additives for cleaning and degreasing surfaces before painting.
- ▶ It is an easy-to-use and eco-friendly solution to use on most kind of surfaces. Simply dilute the concentrate into water, apply with a nap sprayer or by high pressure, let it react and rinse.
- ▶ RD-Eco PowerClean is highly recommended in marine and industrial environments.



THE ADVANTAGES OF RD COATINGS WATER-BASED COATINGS ON ROOFS

Water-based coatings are becoming increasingly popular for their easiness of use and lower nuisance during and after application. Thanks to their very low VOC level, they are safer for the applicator and for the residents.

RD Coatings roof products have been developed to meet the highest standards of quality, enabling them to withstand even the most demanding environments, including industrial and marine.

When it comes to renovating previously coated surfaces, water-based coatings offer the advantage of not weakening the existing coat. This means that, if the adherence is still good, the existing coat can be left in place.

MAIN PROPERTIES OF OUR ROOF COATING PRODUCTS

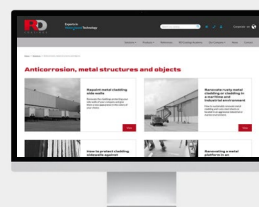
Product	Available on dispenser	UV resistance	Solid content in volume (+/-)	Drying time at 23°C / 68° F Touch dry
✓ RD-Elastodeck	Yes	Yes	56 %	3 h
✓ RD-Elastometal	Yes	Yes	56 %	3 h
✓ RD-Sunguard	No	Yes	44 %	1 h

Detailed application procedures are available on RD Coatings' website in the SOLUTION pages.



Find everything you need to know about our high-performance water-based coatings, their advantages and properties.

View videos and download detailed instructions with tips and advices.



TYPICAL SPECIFICATIONS

TYPICAL THICKNESSES AND CONSUMPTION

Renovation of a metal roof with a pitch > 4%		DFT	Consumption / m ² or S/f - gallon	Comment
1st coat	✓ RD-Elastometal	175 µ / 7 mils	0,4 kg / 130 S/f	In case of water infiltration, apply RD-Roof Fleece on the overlaps.
2nd coat	✓ RD-Elastometal	175 µ / 7 mils	0,4 kg / 130 S/f	
		350 µ / 14 mils	0,8 kg / 65 S/f	



Renovation of a leaking flat bituminous roof with a pitch < 4%		DFT	Consumption / m ² or S/f - gallon	Comment
1st coat	✓ RD-Elastodeck	300 µ / 12 mils	0,7 kg / 76 S/f	Use RD-Roof Fleece on the entire surface and up to minimum 10 cm on the sides.
2nd coat	✓ RD-Elastodeck	600 µ / 24 mils	1,3 kg / 38 S/f	
		900 µ / 36 mils	2 kg / 25 S/f	



Renovation of metal gutters		DFT	Consumption / m ² or S/f - gallon	Comment
1st coat	✓ RD-Elastometal	300 µ / 12 mils	0,7 kg / 76 S/f	In combination with RD-Roof Fleece .
2nd coat	✓ RD-Elastometal	600 µ / 24 mils	1,3 kg / 38 S/f	
		900 µ / 36 mils	2 kg / 26 S/f	



Applying a solar reflective finish on a bituminous membrane		DFT	Consumption / m ² or S/f - gallon	Comment
1st coat	✓ RD-Elastodeck	450 µ / 18 mils	1 kg / 50 S/f	Fully waterproof the membrane first if it is leaking. See above.
2nd coat	✓ RD-Sunguard	40 µ / 1,6 mils	0,09 L / 440 S/f	



Bituminous corrugated sheets and shingles, fibre-cement with a pitch > 4%		DFT	Consumption / m ² or S/f - gallon	Comment
1st coat	✓ RD-Elastodeck	140 µ / 5,5 mils	0,3 kg / 160 S/f	In case of water infiltration, apply RD-Roof Fleece on the overlaps.
2nd coat	✓ RD-Elastodeck	140 µ / 5,5 mils	0,3 kg / 160 S/f	
		280 µ / 11 mils		



DFT: Dry film thickness. Consumption is theoretical, doesn't take into account losses during the application.
Depending on the application method and weather conditions, several layers may be necessary to reach the required thickness.
Always read the technical datasheet before the application.

EPDM, TPO or PVC roofs? Need more advice? Contact your RD Coatings representative, we are here to help!



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