

# RubberFlex

## Rubberised Waterproof Coating

*Duram RubberFlex* is a rubberised waterproof coating with exceptional elongation, tensile strength and elastic recovery. This versatile heavy-duty coating offers excellent adhesion to a variety of substrates and can be used to waterproof, encapsulate and paint roofs. Pure acrylic *RubberFlex* provides maximum weather- and UV-protection with a 12-year guarantee.

\* 1 x 5L *Duram RubberFlex* is sold with 1 FREE roll of 200mm x 10m *Duram Duramesh* membrane.



### PRODUCT USES

- Rubberised sealer to waterproof and seal out moisture.
- Seals joints and covers fine cracks.
- Attractive high-build roof paint.
- Protective barrier that encapsulates and extends the lifespan of your roof.
- Excellent adhesion to cement roof tiles, fibre-cement roof sheets, brickwork, concrete, cement, plaster and wood.
- Protection against corrosion on galvanized iron, mild steel, aluminium, Chromadek, ZincAlume or AluZinc when used with *Duram NS Metal Coatings*.
- Easily applied to new or previously painted surfaces and acrylic waterproofers.



### ADVANTAGES

- Pure acrylic polymer waterproof coating.
- Long-term protection with a 12-year guarantee.
- High-build formula.
- Exceptional flexibility and elongation > 400%.
- Elastic recovery retracts to its original form.
- Resilient tensile strength.
- Used with *Duram Duramesh* membrane, it withstands cracking and movement of the underlying surface.
- Excellent adhesion to a variety of substrates and withstands varying roof temperatures.
- Provides joint-free seamless waterproofing.
- Weather- and UV-resistant.
- Protection against corrosion when used with *Duram NS Metal Coatings*.
- Good chemical resistance.
- Attractive low-sheen finish in a variety of colours with excellent obliteration.

- Colourfast and shrugs off dirt.
- Resists fading and chalking.
- Does not harden or go brittle over time.
- Single component - easy application with brush, roller or spray.
- Quick-drying for same-day application.
- Low maintenance and easy to clean.
- Water-based - water clean up.
- Excellent re-coating properties - can be topcoated with Duram roof or decorative paints, or used as a final coat.
- Preferred choice of professionals.



### COVERAGE

- Roof coating: 2 coats @ 1.5 m<sup>2</sup> / litre per coat.
- Application with *Duram Duramesh*:
- 3 coats @ 0.4 - 0.5 m<sup>2</sup> / litre per coat.
- Depending on surface conditions.
- A third coat is required for coastal areas and when painting with, or covering, a dark colour.
- Wet film thickness: 665 microns per coat
- Dry film thickness: 270 microns per coat



### GUARANTEE

*Duram RubberFlex* offers maximum protection with a 12-year guarantee, when applied on suitable and properly prepared surfaces according to instructions. To maintain the guarantee, use only Duram primers and undercoats. To register your guarantee and for the terms and conditions, call the Duram Technical Helpline on 0800 500 222 or visit [duram.co.za](http://duram.co.za) within 30 days of purchase.



## SURFACE PREPARATION

Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, rust, salt, algae, fungi, lichens, oil, grease and loose, flaking paint.

**For metal surfaces:** Remove all loose, flaking and embedded rust, mill scale and paint by simply scraping it off with abrasive tools such as coarse sandpaper, a wire brush or mechanical grinder, or sandblast (SA 2 ½ with a 40 to 50 profile) for large areas. Finish with a fine grain sandpaper to smooth the surface. Bring metal back to a sound condition. Clean substrate with **Duram NS2 Galvanized Iron Cleaner** as per instructions. Treat rust in particularly difficult, hard to reach areas with **Duram NS1 Rust Buster** as per instructions.

Ensure the appropriate Duram primer or undercoat is applied within 12 hours of surface preparation, and immediately for coastal environments, to prevent contamination and oxidation.

### UNPAINTED SURFACES – NEW OR WEATHERED

- **Granular, cement and fibre-cement roof tiles/sheets:** Prime with **Duram Plaster Primer** or **Duram Bonding Liquid** as per instructions.
- **Cement plaster, concrete and brickwork:** The moisture content must be less than 10% or have aged for at least 28 days prior to priming. Prime with **Duram Plaster Primer** as per instructions.
- **Galvanized iron roofs:** Clean substrate with **Duram NS2 Galvanized Iron Cleaner** as per instructions. Prime with **Duram NS6 Galvanized Iron Primer** within 12 hours, and immediately for coastal environments, as per instructions.
- **Wood:** Sand lightly, dust off, seal knots and prime with **Duram Wood Primer** or **Duram PrimeX** as per instructions.
- **PVC gutters and downpipes:** Sand lightly and dust off. Prime with **Duram PrimeX** as per instructions.

### CHROMADEK, ZINCALUME OR ALUZINC

- Clean substrate with **Duram NS2 Galvanized Iron Cleaner** as per instructions. Prime with **Duram NS5 Metcote Etch Primer** followed by **Duram NS4 Anti-Rust Primer** within 12 hours, and immediately for coastal environments, as per instructions.

### PREVIOUSLY PAINTED SURFACES

- **Sound surfaces:** Apply **Duram RubberFlex** directly to clean, sound and dry acrylics.
- **Chalk or flaking surfaces:** Remove chalk or loose, flaking paint completely with a wire brush, sandpaper or high-pressure cleaner. Repair as required. Rinse and allow to dry. Apply **Duram Bonding Liquid** as per instructions. Prime with the appropriate primer as for new surfaces.



## APPLICATION

- Ensure the appropriate Duram primer or undercoat has been applied.
- Stir **Duram RubberFlex** well using a flat paddle for at least 5 minutes, and occasionally during use.
- Thinning is not recommended.
- **Roof coating**  
Apply two or more coats at a uniform thickness with a brush or roller. Use long, smooth strokes. Apply each successive coat at right angles to the previous coat. For airless spray, use 17, 19 or 21 thou nozzle sizes.
- **Flashings, parapets, wall and chimney cappings, roof joints and roof screws**  
Use a brush or roller to apply a thick basecoat ( $\pm 1.33 \text{ m}^2$  per litre) of **RubberFlex** to an area slightly wider than the **Duram Duramesh**. Press **Duramesh** firmly into wet **RubberFlex** to obtain a maximum saturation from below. Ensure a minimum of 50 mm overlap of adjoining lengths of **Duramesh**. Press out any air pockets and creases in the **Duramesh**. Allow to dry. Apply a coat of **RubberFlex** onto **Duramesh** to complete saturation ( $\pm 1.33 \text{ m}^2$  per litre). Allow to dry. Apply one further coat of **RubberFlex** ( $\pm 2 \text{ m}^2$  per litre) when touch dry. Allow to dry.
- Drying time between coats: 4 to 6 hours.
- To avoid any contamination, if the first coat is left overnight, rinse the surface and allow to dry, before applying the next coat.
- **RubberFlex** can be topcoated with a Duram roof or exterior decorative paint if required.



## CLEANING

- Water clean up.

## COLOUR

- Standard colours: Grey, Charcoal, Graphite, Black, Burgundy, Red, Green, White
- While Duram makes every effort to ensure that colours shown match paint colours as closely as possible, variations may occur due to a variety of factors.
- For consistency of sheen and colour, always check that paint containers carry the same batch number.
- Standard colours are filled to the volume shown on the packaging.



## IMPORTANT

- Call our Technical Helpline or visit [duram.co.za](http://duram.co.za) for queries and updated Datasheets and Material Safety Datasheets.
- Do not use **Duram RubberFlex** under tiles or in areas of long term ponding.
- **Duram RubberFlex** is not suitable for use on slate, clay, slurry tiles, wood shingles, bitumen, extremely powdery surfaces or surfaces that are not in a good condition.
- Dry paint colour and sheen may vary from colour label.
- Check that paint containers carry the same batch number.
- Take care when lifting and carrying. In transit, keep tightly closed in a secure, upright position.
- Whilst every care is taken in manufacture, no warranty is given relating to use.
- Whilst **RubberFlex** is designed for an extended period, it is advisable to apply a maintenance coat every 5 years.
- Do not mix with mineral turpentine.
- Observe special precautions in harsh environments such as coastal and industrial areas.
- Do not apply outside if rain is expected. Apply when ambient and surface temperatures are between 5°C and 35°C.
- Keep cool but protect against freezing.
- Dispose of contents responsibly – do not empty into drains or watercourses. Donate unwanted paint and recycle the empty container.



## SAFETY PRECAUTIONS

- **Duram RubberFlex** is water-based and generally safe to use.
- Complies with the South African legal lead limit of 90ppm or less.
- Keep out of reach of children.
- Use in a well-ventilated area.
- If on skin, wash with plenty of soap and water.
- If in eyes, rinse with water.
- If experiencing respiratory symptoms, move the person to fresh air and call a doctor.
- If swallowed, immediately call a poison centre / doctor.



## SUPPORTING PRODUCTS



Duram  
NS1 Rust Buster



NS2  
Galvanized Iron  
Cleaner



NS4  
Anti-Rust Primer



NS5  
Metcote Etch Primer



NS6  
Galvanized Iron  
Primer



Duram  
Plaster Primer



Duram  
Bonding Liquid



Duram  
Wood Primer



Duram  
PrimeX



Duram  
Duramesh

**& YOU MAY ALSO NEED**

- Primers and undercoats
- Enamel paint for trims
- Anti-fungal wash
- High-pressure cleaner
- Mechanical grinder or sandblaster for metal roofs
- Paper towel and cloths
- Wire brush, sandpaper or steel wool
- Masking tape
- Tape measure and Stanley knife.
- Drop sheets
- Ladder
- Appropriate filler and putty knife
- Paint scraper
- Screwdriver or paint-can opener
- Paint stirrer or flat paddle
- Paint tray lined with foil to save clean-up time
- Good quality brushes for trims, corners and walls
- Good quality long nap roller
- Airless spray with correct nozzle sizes (if spray painting)
- Additional utensils/products may be required in the preparation of surfaces.

**TECHNICAL DATA**

|  |                   |                      |   |
|--|-------------------|----------------------|---|
| <b>Pack Size</b><br><small>*(sold with 1 Free roll of Duramesh size 200mm x 10m)</small> | 5 litre, 20 litre | <b>Weathering</b>    | Excellent. A maintenance coat is advisable every 5 years depending on conditions. |
| <b>Binder Type</b>   | Pure Acrylic      | <b>UV Resistance</b> | Excellent   |
| <b>No of components</b>  | 1                 | <b>Density</b>       | 1.4 g/cm <sup>3</sup>   |
| <b>Overcoating time</b>  | ± 6 hours         | <b>Toxicity</b>      | Non-toxic   |
| <b>Volume Solids</b>   | 44% to 45%        | <b>Fire Hazard</b>   | None  |
| <b>Application Temperature</b>   | 5°C to 35°C       | <b>Shelf Life</b>    | 2 years in unopened tins  |
| <b>Flexibility</b>   | Excellent         | <b>Storage</b>       | Cool, dry area below 25°C   |

**>400% elongation**  
Exceptional tensile strength and elastic recovery

**Heavy duty — high-build**  
RubberFlex 540 microns  
Standard Acrylic Waterproofer 200 microns

**12 YEAR QUALITY GUARANTEE**

**Superior waterproofing and UV-resistance**

**Shrugs off dirt**  
Rubberised Waterproofer vs RubberFlex

Technical details above are provided in good faith. We believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated April 2022 (this supercedes all previous publications)