

# UNIVERSAL ROOFING

## ECO-FLEXX® TECHNICAL DATA SHEET (INCLUDES MSDS)

### **Eco-Flexx® DESCRIPTION:**

Eco-Flexx® is designed to provide a seamless, flexible waterproof roof coating that is durable and eco friendly. Eco-Flexx® is U.V. resistant and grey in color. Eco-Flexx® does not give off harmful odours and is easily broken down by water when in liquid form. Eco-Flexx® has an average drying time of 30 minutes (to the touch). The full drying time is approximately 1 - 2 hours. Eco-Flexx® has an antimicrobial agent to prevent the growth of fungicide. Eco-Flexx® is a cold applied liquid waterproofing product specifically designed to waterproof the following substrates:

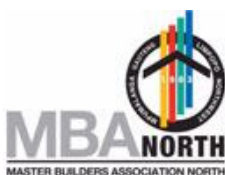
- Concrete, including cement roof tiles
- Steel Roof sheeting
- Wood
- Fibreglass roof sheeting
- Polycarbonate roof sheeting
- Glass Skylights
- Steel Box Gutters and Chromodek Gutters

Eco-Flexx® has undergone stringent quality tests and has been developed over approximately 10 years. The compilation of chemicals used to manufacture Eco-Flexx® is Unique in composition and quantity/ratio. The method used to manufacture Eco-Flexx® has been refined numerous times to provide optimal FOG and the end result is a smooth, brilliant white paste that can be applied to a substrate by brush or paint roller.

Once produced, Eco-Flexx® is decanted into 5L plastic containers and sealed. The containers are re-used/recycled by Universal Roofing.

### **Eco-Flexx® – Description Summary:**

1. Eco-Flexx® has been in development for more than 10 years.
2. Eco-Flexx® is non-flammable.
3. Eco-Flexx® is U.V. resistant.
4. The average drying time is 30 minutes on an average sunny day, with 1-2 hours needed to fully cure.
5. The lifespan is estimated between 7-12 years.
6. Eco-Flexx® is water repellent.
7. Eco-Flexx® is grey in color.
8. Eco-Flexx has a quick drying time.
9. Eco-Flexx® has a viscosity similar to that of toothpaste.
10. Eco-Flexx® has very low odour/smell when wet and no odour/smell when dry.
11. Eco-Flexx® has an antimicrobial agent to prevent the growth of fungicide.
12. When in liquid form, Eco-Flexx® that has been spilt can be cleaned using a damp cloth and extra water if required.
13. When in dry form, Eco-Flexx® can be removed using a steel scraper.
14. Eco-Flexx® can be painted over using an acrylic paint (non solvent).
15. Eco-Flexx® can be stored in a plastic container with a sealed lid.
16. This MSDS conforms with General Administrative Regulations dated 6 Sept. 1996. (ISO-11014/ANSIZ400.1.1996)



# UNIVERSAL ROOFING

## UNIVERSAL ROOFING MATERIAL SAFETY DATA SHEET: ECO-FLEXX®

This MSDS conforms with General Administrative Regulations dated 6 Sept. 1996. (ISO-11014/ANSIZ400.1.1996)

**NAME:**Eco-Flexx®

**DATE:** 05/06/2019

### **MANUFACTURER / SUPPLIER:**

UNIVERSAL ROOFING, 5 Industrial Road, Kya Sands, Johannesburg, South Africa . Tel 011 708 7474

### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

Grey Polymer Waterproofing Solution

IN EMERGENCY CONTACT: BARRY VENTER (083 600 2093)

### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS / OTHER COMPONENTS PRESENT

NON-SOLVENT BASED

### **SECTION 3. HAZARDS IDENTIFICATION**

INHALATION: Can be irritating.

SKIN: Direct contact to be avoided.

EYES: Can cause damage.

INGESTION: Irritating and nauseating.

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

May have short term environmental effects. Contain, monitor & remove.

### **SECTION 4. FIRST AID MEASURES**

INHALATION: Move to fresh air.

SKIN: Always wash after being in contact with chemical substances.

EYES: Rinse with plenty of water. Seek medical advice if symptoms persist.

INGESTION: Give plenty of water/milk. Induce vomiting if patient conscious. Get medical advice immediately.

### **SECTION 5. FIRE FIGHTING MEASURES**

FIRE RATING: Flammable with toxic fumes

FIRE REACTIVITY: Inert - No reaction with fire-fighting water.

FIRE EXTINGUISHER: Foam, CO2 dry powder . WATER

EXPLOSION: Containers cannot explode in fires. Non-Static Hazard

### **SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5,8 & 13**

Contain and collect. Keep out of storm water drains.

### **SECTION 7. HANDLING AND STORAGE**

Store separately from any reactive substances – oxidisers in particular

FIRE: No open flames . No smoking

EXPLOSION: Keep containers cool. Avoid free fall of liquid.



# UNIVERSAL ROOFING

Safety Data Sheet: Eco-Flexx®

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA RATING: 3-H-E PPE: Eye protection / respirator not necessary

INHALATION: In case of insufficient ventilation, use suitable respiratory protection.

SKIN: Do not handle with bare hands.

EYES: Avoid direct contact. Never touch eyes with dirty hands or gloves. INGESTION: Observe the rules of hygiene. Wash before eating, drinking or smoking.

Appropriate hand protection and protective clothing must always be used

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

CHEMICAL CLASS: Polymer

APPEARANCE: Grey semi-viscous liquid

Odour: Aliphatic – Slight, mild

FLAMMABILITY: Will not ignite when wet, slow burn when dry

SOLUBILITY:- WATER: soluble OIL : insoluble

EVAPORATION RATE: >1(BUTYL ACETATE = 1)

DECOMPOSITION TEMPERATURE: >300°C

## SECTION 10. STABILITY AND REACTIVITY

Cannot produce static discharge – no earthing necessary.

Stable on storage

## SECTION 11. TOXICOLOGICAL INFORMATION

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

LD50 ORAL: mg LD50 SKIN: mg LC50 INHALATION: mg

## SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

## SECTION 13. DISPOSAL CONSIDERATIONS

Use reputable waste disposal contractors.

EXERCISE DISCRETION IN THE DISPOSAL OF USED CONTAINERS.

## SECTION 14. TRANSPORT INFORMATION

UN No.1866 PACKING GROUP: III HAZCHEM CODE: 3Y EA CODE: 127

IMO CLASS: 3.3 RESIN SOLUTION MARINE POLLUTANT CLASS: Y

## SECTION 15. REGULATORY INFORMATION

EC INDEX No.: EEC LABEL No. (EINECS/ELINCS): XN Harmful

R20/21 Harmful by inhalation and in contact with skin

R38 Irritating to skin

S28 After contact with skin wash immediately with hand cleanser

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

OELs derived from OHS Act Regulations for Dangerous Chemical Substances dated 25 August 1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991).



# UNIVERSAL ROOFING

All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.

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