

UNIVERSAL ROOFING

UNI-FLEXX® MATERIAL SAFETY DATA SHEET

Uni-Flexx® DESCRIPTION:

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

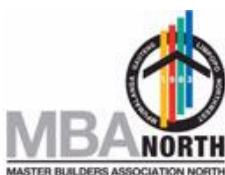
- Concrete, including cement roof tiles
- Steel Roof sheeting
- Wood
- Fibreglass roof sheeting
- Polycarbonate roof sheeting
- Glass Skylights
- Steel Box Gutters and Chromodek Gutters

Uni-Flexx® has undergone stringent quality tests and has been developed over approximately 8 years. The compilation of chemicals used to manufacture Uni-Flexx® is Unique in composition and quantity/ratio. The method used to manufacture Uni-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, Uni-Flexx® is decanted into white 5L plastic containers and sealed.

Uni-Flexx® – Description Summary:

1. Uni-Flexx® has been in development for more than 8 years.
2. Uni-Flexx® is non-flammable.
3. Uni-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. Uni-Flexx® is water repellent.
7. Uni-Flexx® is white in color
8. Uni-Flexx® has a viscosity similar to that of toothpaste.
9. Uni-Flexx® has very low odour/smell when wet and no odour/smell when dry.
10. Uni-Flexx® has an antimicrobial agent to prevent the growth of fungicide.
11. When in liquid form, Uni-Flexx® that has been spilt can be cleaned using a damp cloth and extra water if required.
12. When in dry form, Uni-Flexx® can be removed using a steel scraper.
13. Uni-Flexx® can be painted over using an acrylic paint (non solvent).
14. Uni-Flexx® can be stored in a plastic container with a sealed lid.
15. This MSDS conforms with General Administrative Regulations dated 6 Sept. 1996. (ISO-11014/ANSIZ400.1.1996)



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NAME: Uni-Flexx®

DATE: 26/06/2012

16. MANUFACTURER / SUPPLIER:

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

18. SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

19. IN EMERGENCY CONTACT: JP LAURENCO (011 708 7474)

20. SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

21. HAZARDOUS / OTHER COMPONENTS PRESENT

22. NON-SOLVENT BASED

23. SECTION 3. HAZARDS IDENTIFICATION

24. SAPMA HEALTH RATING: 3 –Slight No great risk to health.

25. INHALATION: Can be irritating.

26. SKIN: Direct contact to be avoided.

27. EYES: Can cause damage.

28. INGESTION: Irritating and nauseating.

29. NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

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

31. SECTION 4. FIRST AID MEASURES

32. INHALATION: Move to fresh air.

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

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

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

36. SECTION 5. FIRE FIGHTING MEASURES

37. FIRE RATING: Flammable with toxic fumes

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

39. FIRE EXTINGUISHER: Foam, CO2 dry powder . WATER

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

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

42. Contain and collect. Keep out of storm water drains.

43. SECTION 7. HANDLING AND STORAGE

44. Store separately from any reactive substances – oxidisers in particular

45. FIRE: No open flames . No smoking

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

47. SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

50. SKIN: Do not handle with bare hands.

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

52. Appropriate hand protection and protective clothing must always be used

53. SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

54. CHEMICAL CLASS: Polymer

55. APPEARANCE: White or black semi-viscous liquid

56. Odour: Aliphatic – Slight, mild

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

58. SOLUBILITY:- WATER: soluble OIL : insoluble



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59. EVAPORATION RATE: >1(BUTYL ACETATE = 1)
60. DECOMPOSITION TEMPERATURE: >300°C
61. **SECTION 10. STABILITY AND REACTIVITY**
62. **Cannot produce static discharge – no earthing necessary.**
63. **Stable on storage**
64. **SECTION 11. TOXICOLOGICAL INFORMATION**
65. NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED
66. LD50 ORAL: mg LD50 SKIN: mg LC50 INHALATION: mg
67. **SECTION 12. ECOLOGICAL INFORMATION**
68. May have short term environmental effects. Contain, monitor & remove.
69. **SECTION 13. DISPOSAL CONSIDERATIONS**
70. Use reputable waste disposal contractors.
71. EXERCISE DISCRETION IN THE DISPOSAL OF USED CONTAINERS.
72. **SECTION 14. TRANSPORT INFORMATION**
73. UN No.1866 PACKING GROUP: III HAZCHEM CODE: 3Y EA CODE: 127
74. IMO CLASS: 3.3 RESIN SOLUTION MARINE POLLUTANT CLASS: Y
75. **SECTION 15. REGULATORY INFORMATION**
76. EC INDEX No.: EEC LABEL No. (EINECS/ELINCS): XN Harmful
77. R20/21 Harmful by inhalation and in contact with skin
78. R38 Irritating to skin
79. R16 Keep away sources of ignition – no smoking
80. S28 After contact with skin wash immediately with hand cleanser
81. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
82. **SECTION 16. OTHER INFORMATION**
83. IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
84. OELs derived from OHS Act Regulations for Dangerous Chemical Substances dated 25 August 1995 (EH-42)
85. SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991).
86. 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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