

Flexipoint Plus Technical Data

DESCRIPTION & USES

Flexipoint Plus is a trowelable, custom coloured permanently flexible adhesive specifically developed in house by Flexitech to point the ridgecaps of glazed and cement tiled roofs. It comprises water borne organic polymers and mineral pozzolans that hydrate to form an extremely strong yet flexible cement that will adhere to highly glazed terracotta roof tiles as well as cement based tiles.

PERFORMANCE GUIDE

Weather:	excellent resistance
Heat:	Stable in all climatic conditions
Wash Out:	Washout resistant after 2 hours (20°C @ 50%RH)
Solvent:	Water
Salt:	Impervious
Abrasion:	Not applicable
Alkali:	pH 9~9.5



APPLICATION DATA

Colour:	Available in a range of over 40 colours to match coloured tiles manufactured by the major Australian roof tile manufacturers.
Method:	Trowel
Thinner:	Not applicable
Clean up:	Water
Toxicity:	Refer MSDS for details
Shelf Life:	A shelf life of twelve months maybe expected for the product where it is stored indoors in its original unopened packaging at temperatures ranging between 5 and 35° Celsius.
Curing Time:	Assuming the product is applied at the correct thickness, In temperate conditions it will be rain resistant within 2 hours of application. It should be noted that a longer cure time is required where the temperature is below 15°C or relative humidity is above 70%.

APPLICATION GUIDE

Surface prep: Ensure clean surface by removing all dirt, dust, grease and oil.

APPLICATION PROCEDURE AND EQUIPMENT

A nominal 4:1 sand/cement bedding mix incorporating a workability promoter should be finished plumb and be free of holes and voids. Flexitech recommends the use of 'Bedding Plus' bedding mix as a complete system for Ridge Tile fixing.

Flexipoint Plus parallels the traditional method for bedding and pointing tiled roofs and should be applied by trowel at an angle to deliver a uniform thickness of 3~5mm. Flexipoint Plus trowels on like sand and cement mortar and smooths out to a beautiful dense surface.

TRANSPORTATION AND STORAGE

Bucket Size:	10 Litre resealable plastic pail
Weight:	16.5Kg

WARRANTY

Provided Flexipoint Plus has been applied by a qualified tradesperson to the manufacturers recommended specifications, Flexitech warrants Flexipoint Plus will withstand normally occurring roof movement without cracking or disbondment for a period of 10 years from the date of purchase. **Flexipoint Plus** has passed Australian Standard 4046.8-2006 and is qualified for use in C3 wind rated areas.

MATERIAL SAFETY DATA SHEET

Section 1 Introductory and Company Details

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Emergency telephone number 0418 560 223 during normal business hours EST.

**Not Classified as Hazardous
According to the Criteria of Worksafe Australia**

Section 2 Identification

PRODUCT NAME "Flexipoint Plus"
OTHER NAMES: None
U.N. No. Non allocated
DANGEROUS GOODS CLASS: Non allocated
SUBSIDIARY RISK: Non allocated
HAZCHEM CODE: Non allocated
POISON SCHEDULE: Non scheduled
PRODUCT TYPE: water based emulsion
RISK PHRASES: Non allocated
SAFETY PHRASES: Non allocated

MAJOR RECOMMENDED USE: Adhesive for securing tile roof caps.

RECOMMENDED METHOD OF APPLICATION: Pointing trowel

PHYSICAL DESCRIPTION/PROPERTIES:
APPEARANCE & ODOUR: Coloured paste with mild acrylic odour

FLASH POINT: Non-flammable
BOILING POINT: >100°C (H₂O)
FLAMMABILITY LIMITS: UPPER: not applicable
LOWER: not applicable

VAPOUR PRESSURE @ 760MM Hg @ 25°C: not known
SOLUBILITY IN WATER: immiscible
pH (50g/L H₂O): 10-11
Specific Gravity: approx 1.48
OTHER DATA: none noted

INGREDIENTS:	CAS No.	PROPORTION
Water based acrylic emulsion		25%
Pozzolans and other inert mineral fillers		63%
Rheology modifiers		to 100%

No other Hazardous Materials are present in this product at concentrations above the cut off levels as noted in the list of Designated Hazardous Substances, NOHSC:10005 (1994), or as defined in the Approved Criteria For Classifying Hazardous Substances, NOHSC:1008 (1994).

Section 3 Health Hazard Information

HEALTH EFFECTS: ACUTE
SWALLOWED: will cause nausea and diarrhea.
EYE: Abrasive and irritating to the eye.
SKIN: May cause skin irritation and dryness on repeated or prolonged skin contact.
INHALED: some individuals may find the odour causes headaches and nausea.

FIRST AID:
SWALLOWED: Do not induce vomiting. Give copious quantities of water and seek medical advice.
EYE: Flush with water for 15 minutes and consult a Doctor.
INHALED: Remove person to fresh air. If breathing stops apply artificial respiration and other First Aid techniques as required and obtain immediate medical assistance.
FACILITIES: No specific First Aid Facilities are required other than those required by relevant legislation such as, for example, the Occupational Health and Safety (First Aid) Regulation 1089 (NSW).

Section 4 Precautions for Use

EXPOSURE:
The acrylic emulsion may contain residual monomers, generally to a maximum of 3%. The exposure limits as set by Worksafe Australia are as follows:-

Vinyl Acetate	CAS # 108-05-04	TWA 10ppm
Butyl Acetate	CAS # 141-32-2	TWA 10ppm
Acrylic Acid	CAS # 79-10-7	TWA 2ppm

VENTILATION: Ensure adequate ventilation, sufficient to ensure exposure within published limits as noted above. Forced ventilation is not normally required.

PERSONAL PROTECTION:
DUST/MIST RESPIRATORY (AS1716) An organic vapour mask when used in poorly ventilated locations.
GLOVE TYPE: Neoprene.
EYE PROTECTION: Goggles or safety glasses.
CLOTHING: Sufficient to avoid skin contact.

Section 5 Handling

DANGEROUS GOODS CLASS/SUBSIDIARY RISK: none allocated
EXPLOSION HAZARD: non flammable
TOXICOLOGICAL DATA: none noted
ECOLOGICAL DATA: none noted

The information given and the recommendations made herein apply to this product alone and not combined with any other product/s. Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using this product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.