

TECHNICAL DATASHEET

GS EJ 2K EP

EPOXY ADHESIVE FOR EXPANSION JOINT TAPES

GreenShield™ EJ 2K EP is a two-part, high performance Epoxy based bonding adhesive specially designed for bonding GS TPE Expansion joint tapes to different surfaces. The adhesive is based on epoxy resins, selected fine-grain aggregates and special additives to achieve excellent bonding properties.

GS Epoxy adhesive resin (Part A) and hardener (Part B) is supplied in two components with different colours to provide visual evidence of effective mixing. The mixture is a thixotropic mix, easy to apply even on vertical structures. The adhesive mixture has a long enough pot life to allow adequate adhesive application, positioning and aligning time for the profile/tape. When cured the adhesive forms a watertight surface.



Product Data

COLOUR	Part A: White
	Part B: Black
	Part (A+B) Mixture: Grey
DENSITY @ 25°C	Part A: 1.70 – 1.90 Kg/l
	Part B: 1.80 – 1.90 Kg/l
	Part (A+B) Mixture: 1.75 – 1.90 Kg/l

Packing, Storage & Coverage

PACKAGING	Part A : 4.00 kg container x 2 Part B : 2.00 kg container x 2
	Part (A+B) : 6.00 Kg container x 2 ready to mix units.
STORAGE	Store adhesive in dry, cool and clean conditions and in their original unopened undamaged packaging, Storage temperatures should be between +5°C to +40°C.
SHELF LIFE	The products comes with 12 months shelf life from the date of packaging if stored as per above conditions.

Consumption

Consumption can vary dependent on-site conditions (surface roughness, size of aggregate, etc). Wastage of 10% due to handling and mixing should be considered extra on below values.

Tape Width	Tape Thickness	Adhesive Consumption
10 cm	1 mm	~ 0.7 kg/m
15 cm	1 mm	~ 1.0 kg/m
20 cm	1 mm	~ 1.2 kg/m
10 cm	2 mm	~ 0.8 kg/m
15 cm	2 mm	~ 1.1 kg/m
20 cm	2 mm	~ 1.4 kg/m
25 cm	2 mm	~ 1.7 kg/m
30 cm	2 mm	~ 2.0 kg/m

Health & Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.



GreenShield

Heatshielding & Waterproofing Your Roof

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PROPERTY	GS EJ 2K EP
Chemical Base	Solvent Free, 2-part Epoxy resin
Mixing Ratio Part A : Part B	2 : 1 (by Weight)
Service Temperature °C	-30 to +50
Pot life @ 30°C minutes ASTM D2471	40 If larger quantities are mixed, potlife will reduce due to temperature rise on account of exothermic reaction
Bond Strength N/mm ² Concrete (dry) Concrete (mat/damp)	> 1.5 (Failure in concrete)
Compressive Strength @ 7 days N/mm ² BS 6319 Part 2	50
Tensile Strength @ 7 days N/mm ² BS 6319 Part 7	20
Shear Strength @ 7 days N/mm ² BS 6319 Part 4	10
Flexural Strength @ 7 days N/mm ² BS 6319 Part 3	30

Note & Disclaimer: For latest updates and additional info, please consult our website at www.greenshield.co.in. Testing results and/or copies of Approval Documents for above mentioned membranes are available on request.

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is user responsibility to ensure that product is used and handled correctly and in accordance with applicable standards and recommendations and only for the intended purpose. We reserve the right to update information without prior notice to reflect ongoing research and development program. Country specific recommendations, considering local standards, practice codes, building regulations and industry guidelines, may effect installation recommendations. The supply of our products and services is subject to terms, warranties and exclusions available to you on request.

