

PROTEKTA EJR

USES

- Protekta EJR provides strong bonding, excellent adhesion, excellent weathering and excellent durability, heat and U.V resistant.
- Unlike silicones which also provides good movement.
- Protekta EJR can in addition withstand continuous water immersion.
- This forms a very durable, flexible seal

DESCRIPTION

Specially developed for Expansion Joints, which unlike silicones can very well withstand exposure to water. This product can also withstand positive and negative hydrostatic pressure.

APPLICATION

1. Expose the joint and make a deep groove.
2. The minimum width of the joint should be 4 times the anticipated movement but not less than 1/4 inch. Maximum recommended width is 1.0 inch. The

depth of the joint should be no more than one-half the width without exceeding the minimum/maximum limits.

3. In joints up to 1/2 inch wide, the sealant depth should be equal to the joint width. In joints from 1/2 inch to 1.0 inch wide, sealant depth should be 1/2 inch. For joints over 1.0 inch wide, sealant depth should be 1/2 of the width.
4. Rest of the joints depth should be filled with back-up material like Shalicoat, 1:2 Protekta 400 based mortar and a coat of Protekta Plastofelt.
5. Protekta EJR should be applied no thicker than 12mm and no thinner than 6mm with width to depth ratio of 2:1

Depth of Sealant: Ideal: Maximum of 1/2 inch;
Minimum of 1/8 inch.

Protekta EJR-H is supplied as Ready to use.

Property	Acrylic	Butyl	Latex	Polysulfide	Polyurethane	Silicone	Protekta EJR
Maximum joint movement capability, %	7	5	7	25	25	60	70
Weathering resistance	Good	Excellent	Fair	Good	Excellent	Excellent	Excellent
Adhesion	Good	Excellent	Fair	Good	Good	Excellent	Excellent
Shrinkage	12	18	20	10	5	3	0
Tack-free time (hours)	72	24	1	72	72	3	0
Water immersion	No	No	No	Yes	Some	No	Yes
Elongation %	Low	Low	450	1000	700	1600	2000
Horizontal Joints	No	No	No	Yes	Yes	No	Yes
Modulus of elasticity, lb/in ²	40	25	18	30	35	30	45

The figures for other products are taken from literature.

Comparison with other products

<u>Use or area of use for each product</u>	EP	PUR	Polyester	MMA	Protekta EJR
Structural bonding	XXX	X	X	XXX	XXX
Corrosion protection	XXX	XXX	XXX	XXX	XX
Sealing moving cracks	O	XX	O	O	XXX
Dampness	XXX	XXX	XX	XXX	XXX
Water under pressure	XXX	XXX	XXX	XXX	XXX
Acids	XXX	XX	XXX	XXX	XXX
Alkali's	XXX	XX	XX	XX	XXX

O = not suitable
X = under certain conditions usable
XX = suitable
XXX = highly suitable

EP =Epoxy resin
PUR =Polyurethane
Polyester
MMA =Methyl Methacrylate

COVERAGE

Depends on the surface.

should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice

SHELF LIFE

6 months in a closed uncontaminated container and should be used before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control

STORAGE: To be stored in closed containers in a cool place and prevent from extremes of heat

HEALTH & SAFETY: Non-Hazardous, Non-toxic, Non-flammable

IMPORTANT NOTE

Protekta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

WARRANTY:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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