

# KingInsulate<sup>®</sup> PF50

A flexible PVC waterproofing membrane for underground structures and tunnels.

## DESCRIPTION

KingInsulate PF50 is a one part fire rated expanding Polyurethane Foam tested in horizontal and vertical applications to BS476 Part 20. Product is supplied in HCFC and CFC aerosol cans. Material can expand up to 40 times its original volume after application.

## APPLICATIONS

- ☐ Sealing joints where fire integrity and insulation is required e.g. walls, floors and partitioning.
- ☐ Perimeter joints around door and window frames and service penetrations.

*Note:* Not recommended for totally enclosed applications.

## STANDARDS

- ☐ Tested to BS476 Part 20- Warrington Report 117611.
- ☐ DIN 4102 Class B2.

## PACKAGING

- ☐ KingInsulate PF50 is supplied in 2 different 750ml cans.
- ☐ PF100 G – Gun grade 9 requires foam Applicator Gun.
- ☐ PF100 H – Hand grade (supplied with own nozzle).

## TECHNICAL PROPERTIES

Skin time @ 20°C/65 % RH:	20 mins.
Trimming time @ 20°C/65 % RH:	4 hrs. (deep applications will require longer)
Application temperature:	5 - 30°C
Service temperature:	- 20 - 90°C

## STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

## COVERAGE

Joint Size (mm)	Meters per Liter
10 x 10	10.0m
13 x 13	5.91m
15 x 15	4.44m
20 x 10	5.0m
20 x 20	2.5m
25 x 12	3.33m
25 x 25	1.60m
30 x 15	2.22m
30 x 30	1.11m

## ACCESSORIES

### Cleaners

- ☐ King Cleaner No.17- 1 Litre Tin (Xylene based – not suitable for use with plastics or delicate finishes)
  - ☐ King Cleaner No. 16 - 1 Litre Tin (Alcohol Based)
- Ancillary Equipment*
- ▲ Foam Gun for AR240G

## HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative.

KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All products originating from KingKrete's manufacturing facilities are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

\* Properties listed are based on laboratory-controlled tests.

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Joint width (mm)	Joint depth (mm)	Orientation	Description	Integrity (minutes)	Insulation (minutes)
45	220	Wall	Foam+Mineral fibre	240	240
30	220	Wall	Foam+Mineral fibre	240	240
20	180	Wall	Foam		
15	220	Wall	Foam	240	240
15	120	Wall	Foam	71	69
45	250	Floor	Foam+Mineral fibre	240	240
30	250	Floor	Foam+Mineral fibre	240	240
20	140	Floor	Foam	115	113
15	100	Floor	Foam	59	58
15	200	Floor	Foam	206	206

## R3-2601

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for determining the suitability of products for their intended use.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.