



Protecto-Ezefil

Crack & Joint Filling Compound

PRODUCT DATASHEET

► Description:

Protecto-Ezefil crack/joint filling compound is a solvent free two component polyurethane reactive system. This material sets to give a highly elastic, non - cracking mass which can be used very effectively to fill and seal joints and cracks in all types of constructions.

► Uses:

Protecto-Ezefil can be used to fill expansion joints, cracks & joints in high traffic floors, bathrooms, cement/metal roofing sheets, slabs, external walls and frames of doors & windows.

► Applications:

Small cracks should be opened and cleaned of any dirt and loose particles. A base adhesion coat of Wallgard 10 is applied on all sides of the cracks and allowed to dry for 15 minutes. Protecto-Ezefil 400 and 500 are mixed together in the ratio of 3:2 by weight. For horizontal cracks and joints this mixture is poured directly into the cracks. For vertical cracks, up to two parts of white cement should be mixed thoroughly with 1 part of Protecto-Ezefil 400 and 500 mixture and the resulting mixture is then used to fill the cracks by means of a spatula or putty knife. A coat of Ezecoat 500 & 600 is applied over the Protecto-Ezefil to make it resistant to U.V. rays.

► Properties:

| Grade | Colour | Mixing Ratio | Pot Life | Tack Free Time | Tensile Strength (IS 2508-1984) | Elongation (IS 2508-1984) | Flexibility |
|---------------------|--------|----------------------------|-----------------------|----------------|---------------------------------|---------------------------|-------------|
| Protecto-Ezefil 400 | Clear | 0.4 kg Protecto-Ezefil 400 | 45-60 minutes at 30°C | 3 - 5 hrs | 10 -15 kg /sq. cm. | 300% | Excellent |
| Protecto-Ezefil 500 | White | 0.6 kg Protecto-Ezefil 500 | | | | | |

► **Consumption:**

Length of joint in cm per kg of Protecto-Ezeofil mixture = $1000 \div (d \times D \times W)$
 {Where D = depth of joint (cm), W = width of joint (cm), d = density of mixture as per Table 1}

Table 1:

| Application | Protecto-Ezeofil Mixture | White Cement | Density of Mixture g/cm ² |
|---|--------------------------|--------------|--------------------------------------|
| Expansion joints | 1 Part | Nil | 1.17 |
| Cracks in external wall | 1 Part | 0.5 Part | 1.44 |
| Joints in cement/ metal roofing | 1 Part | 1 Part | 1.62 |
| Cracks/joints in Basements in bathrooms | 1 Part | 1.5 Part | 1.82 |
| Joints in window frames & pipe fittings | 1 Part | 2 Parts | 1.94 |

Table 2: Consumption of Protecto-Ezeofil mixture (gm) per meter of joint

| W (cm) \ D (cm) | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 | 3.5 |
|-----------------|-----|-----|-----|-----|-----|-----|------|
| 0.5 | 29 | 59 | 88 | 117 | 146 | 176 | 205 |
| 1 | 59 | 117 | 137 | 134 | 293 | 352 | 410 |
| 1.5 | 88 | 177 | 264 | 352 | 441 | 59 | 617 |
| 2 | 117 | 234 | 352 | 469 | 588 | 704 | 819 |
| 2.5 | 146 | 293 | 441 | 588 | 735 | 885 | 1031 |

Protecto-Ezeofil formulations are subject to strict quality control, innovations and improvements to comply with our high standards. The above information is given on the basis of our best knowledge and information and is for your guidance only. Specifications, however, are subject to change and no guarantee is given or implied. All Rights Reserved.



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12-H, Opp. Traffic Kotwali
 Daryaganj Delhi 110002
 INDIA

Tel 91-11-23282718, 23251975
 91-9650847575
 91-9810172216

Fax 91-11-23251975
 Email: sales@aapkaHomeCare.com
 www.aapkaHomeCare.com
www.ProtectoCoatings.com