



KEM JOINT 31



Construction Joint Sealant

Gun Grade

DESCRIPTION:

KEM JOINT 31 is a two component system consisting of a Base compound and an Accelerator (curing agent). Mixing the two components results in the formation of a tough, elastic, flexible rubber like seal. This seal has excellent adhesion properties and bonds with a wide range of building materials when used with recommended primers.

PRODUCT FEATURES:

- ▲ At an ambient temperature, the mixture of the Base and Accelerator cures to form a permanent seal
- ▲ Provides excellent adhesion to a variety of concrete, masonry, wood, glass, aluminum, acrylic and PVC plastics
- ▲ Is durable, remains unaffected by UV rays, ozone and weathering conditions
- ▲ Is resistant to occasional spillage of dilute acids, alkalis, petrol, aviation fuels, diesel, kerosene, lubricating oils etc
- ▲ Performs well in -40°C to $+80^{\circ}\text{C}$
- ▲ Is resistant to biodegradation, prevents growth of fungus and micro-organisms
- ▲ Accommodates continuous and pronounced cyclic movements
- ▲ Withstands movements by providing satisfactory hermetic sealing of joints that are subjected to expansion, contraction, vibration and cyclic movements within specified limits
- ▲ Has excellent repairability property
- ▲ Can be overcoated by waterproofing compounds

PRODUCT SPECIFICATIONS:

Complies to BS 4254 - 1983

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|--|---|
| ▲ Nature | : Two components (Base and Accelerator) |
| ▲ Mixing Ratio of Base: Accelerator | : 92 : 8 parts by weight |
| ▲ Consistency After Mixing | : Thick non-sag paste |
| ▲ Density of the Mix | : $1.55 \pm 0.02 \text{ kg/l}$ |
| ▲ Pot Life | : 2 Hours @ 25°C
1 Hour @ 35°C |
| ▲ Complete Curing Time at 10°C | : 6 weeks |
| ▲ Complete Curing Time at 25°C | : 2 weeks |
| ▲ Complete Curing Time at 35°C | : 1 weeks |
| ▲ Color of the Base Compound | : Off white |
| ▲ Colour of Accelerator | : Brown |
| ▲ Colour of Mixed Compound | : Grey |
| ▲ Movement Accommodation Factor (BS 6093) | : 25% for butt joints and 50% for lap joint |



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KEM JOINT 32



Construction Joint Sealant

Pour Grade

DESCRIPTION:

KEM JOINT 32 is a two component system consisting of a Base compound and an Accelerator (curing agent). Mixing these two components at an ambient temperature results in the formation of a tough, elastic and flexible rubber-like seal which bonds to a wide range of building materials.

PRODUCT FEATURES:

- ▲ At an ambient temperature, the mixture of the Base and Accelerator cures to form a permanent seal
- ▲ Provides excellent adhesion to a variety of building materials such as concrete, masonry, wood, glass, aluminum, acrylic and PVC plastics, when used with recommended primers
- ▲ Durable, remains unaffected by UV rays and ozone and weathering conditions
- ▲ Is resistant to occasional spillage of dilute acids, alkalis, petrol, aviation fuels, diesel, kerosene, lubricating oils, etc.
- ▲ Performs well in -40°C to $+80^{\circ}\text{C}$
- ▲ Is resistant to biodegradation, prevents growth of fungus and micro-organisms
- ▲ Accommodates continuous and pronounced cyclic movements by hermetic sealing of joints that are subjected to expansion, contraction, vibration and cyclic movements within specified limits
- ▲ Has excellent reparability property
- ▲ Can be overcoated by waterproofing compounds
- ▲ Does not leave any stains on concrete, masonry or stones

PRODUCT SPECIFICATIONS:

Complies to BS 5212 - 1983

- | | |
|--|---|
| ▲ Nature | : Two components (Base and Accelerator) |
| ▲ Mixing Ratio of Base: Accelerator | : 92 : 8 (weight by weight) |
| ▲ Consistency After Mixing | : Flowable paste |
| ▲ Density of the Mix | : $1.55 \pm 0.02 \text{ kg/l}$ |
| ▲ Pot Life | : 2 Hours @ 25°C
1 Hour @ 35°C |
| ▲ Complete Curing Time at 10°C | : 3 weeks |
| ▲ Complete Curing Time at 25°C | : 1 weeks |
| ▲ Complete Curing Time at 35°C | : 0.5 weeks |
| ▲ Color of the Base Compound | : Off white |
| ▲ Colour of Accelerator | : Dark brown to black |
| ▲ Colour of Mixed Compound | : Grey |
| ▲ Movement Accommodation Factor (BS 6093) | : 25% for butt joints and 50% for lap joints |
| ▲ Appearance | : Multi component pasty compound |



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KEM PRIMER 33



Primer for Joint Sealant

Primer

DESCRIPTION:

KEM PRIMER 33 is specially developed low viscosity primer to enhance the bonding of polysulphide sealants.

PRODUCT FEATURES:

- △ Single component
- △ Easily applicable by brush
- △ Fast recoat time
- △ Facilitates lasting bonding of sealants to substrates
- △ Good resistance to UV rays and weathering conditions

PRODUCT SPECIFICATIONS:

- | | |
|----------------------------|---|
| △ Appearance | : Colorless to pale yellow |
| △ Specific Gravity | : 0.8 ± 0.02 |
| △ Coating Intervals | : 20 - 30 minutes |
| △ Sealant application time | : 30 - 40 minutes after application of primer |
| △ Coats Required | : 2 |

AREAS OF APPLICATION:

- △ Concrete surfaces
- △ Porous stones
- △ Wood
- △ Asbestos
- △ Bricks

METHOD OF APPLICATION:

- △ Clean the surface to free it from any loose material, oil, grease, etc.
- △ If required, clean the surfaces by using a wire brush, shot blasting or vacuum cleaning
- △ Apply the primer using a paint brush

PRECAUTIONS:

- △ Do not thin the primer with solvents.
- △ It is a must to prepare the substrate as described in the method of application.



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