



KM-4040M IS A SPECIAL ORDER PRODUCT

KM-4040M is a chemically modified natural rubber product with an embedded stainless steel wire mesh. A patented process chemically binds a hydrophilic agent to the rubber. The hydrophilic agent causes KM-4040M to undergo controlled expansion in the presence of moisture. This expansion capability provides a "double locking" waterstop. KM-4040M stops water by compression from rubber's natural resilience and by moisture induced expansion. When hydrated, KM-4040M will fill any void within the limits of its expansion capability (150% by volume). KM-4040M is a vulcanized product. Since it is cross linked with sulphur in the vulcanization process, it has high tensile and compressive strength plus good restorability.

KM-4040M has excellent durability and resistance to chemicals. It can perform in a wide range of solutions such as salt or cement water. KM-4040M is environmentally safe. It does not contain any toxic substance or heavy metals.

BASIC USE

Use in expansions joints (expansion movement equal to or less than 0.5"). KM-4040M is an excellent waterstop for use in shear movement joints.

INSTALLATION

Clean any dirt or loose debris from the surface of the concrete. Adhere KM-4040M by using screws, P-201 construction adhesive depending on choice and site conditions. We recommend attaching with screws every 10"~12" (approximately) to ensure attachment. Because of its weight, holding it in position with glue alone may be difficult especially in vertical applications. For added assurance or in the case of rough concrete, apply a bead of P-201 (sufficient to fill all voids) before placing KM- 4040M. Another option is to place a small bead of P-201 on both sides of the KM-4040M as shown in Detail 3.

PRECAUTIONS: Do not allow any gaps between KM-4040M and the concrete. Screw must be perpendicular to the stainless steel wire mesh.

PRODUCT DESCRIPTION

Size 40mm X 40mm (1.6" X 1.6")

Packaging 6meters (19.7 feet per case)

PROPERTIES

Hardness A33 (JIS K 6253) (ASTM D2240)

Tensile Strength 6 MPa (JIS K 6253) (ASTM D2240)

Elongation 800% (JIS K 6253) (ASTM D2240)

Volume % Change 170% In House

Specific Gravity 1.18 (JIS K 6253) (ASTM D2240)

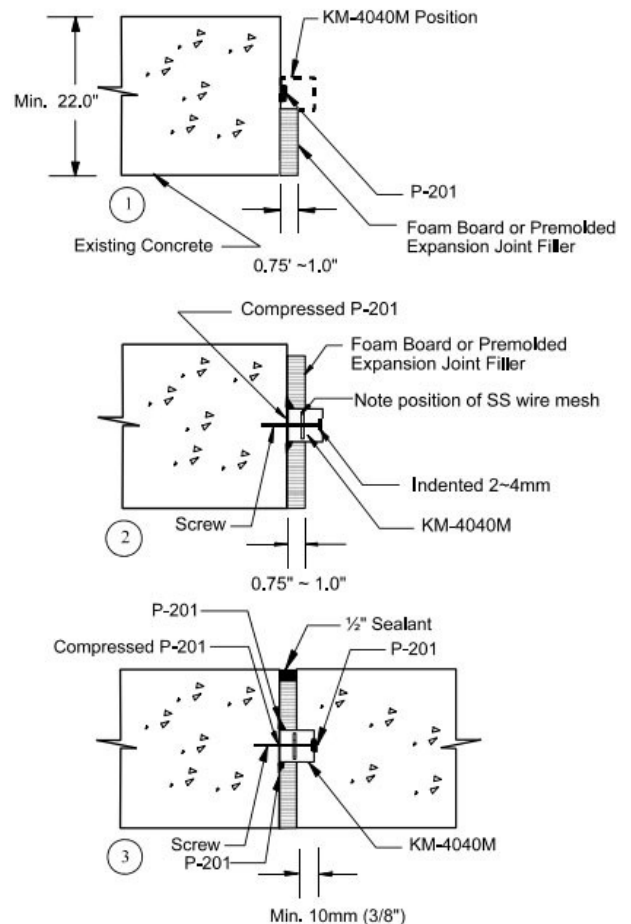
Vulcanization Yes

Hydrophilic Agent Urethane Polymer

Tested by press sheet of KM compound.

Property values are representative values and not specification values.

TYPICAL KM-4040M INSTALLATION



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