

GVK 200

FLEXIBLE AND WATERTIGHT SEISMIC AND STRUCTURAL MOVEMENT EXPANSION JOINT COVER

DESCRIPTION

GVK 200 is a specially designed flexible and watertight seismic or structural movement expansion joint cover made of two natural anodized extruded aluminum profile linked by an elastomeric rubber made from EPDM, which is UV-resistant and has a long-term durability.

USES

For all types of vertical and horizontal expansion joints on car park areas, external walkways and driveways.

ADVANTAGES

- ✓ Permanent elastic and stress relieve to loadings.
- ✓ Exceptional resistance to extreme temperature and UV light.
- ✓ Protection of expansion joints over driveways.
- ✓ Natural anodized aluminum side plates, having a non-rusting property.
- ✓ For all types of joints vary from 5 to 200 mm width.
- ✓ Able to withstand high impact from vehicular traffic.
- ✓ Profile can be custom-made to suit the designs.
- ✓ Easy and fast to install.

INSTALLATION

- ✓ Supports must be dry and clean.
- ✓ Lay the ready-made metal piece flat on base.
- ✓ Water-tightness and waterproofing must be ensured when the bolts penetrating any waterproofing membrane over the expansion joint, like REDLINE.

CHEMICAL RESISTANCE

- ✓ Plain and sea water resistant
- ✓ Crude sewage and industrial water resistant
- ✓ Relative resistance to petrol, diluted alcohol and diverse solvents
- ✓ UV and ozone resistant; tested excellent after 5400 hours of accelerated aging.

TYPE



ADVANTAGES



COMPONENT



GVK 200

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METAL PROFILE

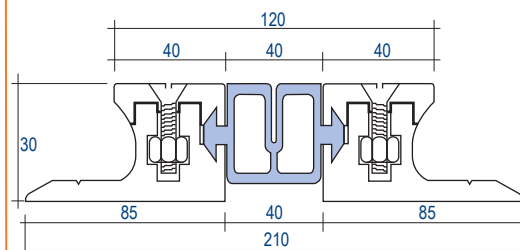
Extruded aluminum alloy AGS 6063 T6
Chemical composition (BS 1474):

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Misc
Min	0.20				0.45				
Max		0.35	0.10	0.10	0.90	0.10	0.10	0.10	0.05

TYPICAL PHYSICAL PROPERTIES

⇒ Density	: 2.70
⇒ Melting Range	: 615 – 655 °C
⇒ Coefficient of Linear Expansion at 0 – 100 °C	: 23.4 (10-6K-1)
⇒ Poisson Ratio	: 0.33
⇒ Thermal Conductivity	: 200 W/m °K
⇒ Resistivity at 20 °C	: 3.3 μΩcm
⇒ Specific Heat	: 0.45

DIMENSION OF GVK 200 (IN MM)



RUBBER GASKET

⇒ Composition	: SEBS synthetic rubber can be welded
⇒ Standard Colors	: Black and Grey
⇒ Hardness Shore A (ISO 868)	: 65 ± 5
⇒ Elongation at Break (ISO 527)	: 300%
⇒ Tensile Strength (ISO 527)	: 3.5 MPa
⇒ Service Temperature	: - 35 °C to + 90 °C
⇒ Load bearing capacity: (1 kN = 100 kg)	
⇒ Forklift with rubber tyres	: 35 kN
⇒ Light trucks	: 60 kN
⇒ Heavy trucks	: 300 kN

Legal Notes:

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Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.



MANUFACTURER:
CHEMIND INDUSTRIES SDN. BHD. (468913-T)
NO. 8, JALAN MERANTI JAYA 16, TAMAN PERINDUSTRIAN MERANTI JAYA,
47100 PUCHONG, SELANGOR DARUL EHSAN, MALAYSIA.
TEL: 603-8066 4128 FAX: 603- 8051 3128

