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

EXPANSION JOINT

ADVANTAGES

ANTI CORROSION | IMPACT RESISTANT | HIGH FLEXIBILITY

COMPONENT

1 PART

GVK 200

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METAL PROFILE

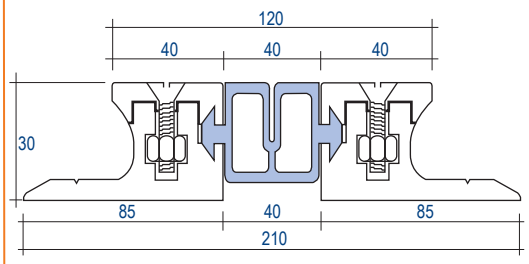
Extruded aluminum alloy AGS 6063 T6
Chemical composition (BS 1474):

%	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	: 65 ± 5
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:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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