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SPE «IMVO»

One profile movement joints for bridge construction



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SPE "IMVO" implements

One profile movement joints WSF80, WSF100

own production

Appointment of movement joints

Movement joints are used for the perception of the maximum displacement of 80 mm and 100 mm. They provide a smooth passage of vehicles over them. They also protect the bridge structure from premature destruction.

Manufacture and supply of products

Movement joints are supplied in full operational availability. They are convenient for installation and have the ability to be replaced or repaired after the useful life.

The product is manufactured under license and in accordance with the technology of the Austrian company REISNER & WOLF Engineering Ges.mbH "(Wales, Austria).



Scope:

Expansion joints are used in construction, repair, reconstruction of bridges, roads and other structures of different destinations. They meet the requirements of the water resistance, strength and durability. Also they are recommended for widespread use in all transport facilities.

Geological and geophysical conditions:

- the usual conditions;
- construction in seismic regions with the participation research organization in the design of specialized in earthquake-resistant construction;
- construction on subsiding soils under the condition of the same values of vertical and horizontal displacements of connected structures particles.

Natural and climatic conditions:

- The degree of aggressiveness of the environment - not aggressive, slightly aggressive, middle aggressive, highly aggressive;
- Humid areas: dry, normal, wet.



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Specifications Package

Tab. 1 Physical and mechanical properties of materials and components used for the production of movement joints

№	Name of the part	Material	Normative document
1	Extreme load beam	steel S235JRG2	DIN EN 10058
2	Elastic compensator	Elastomer (SF), ethylene propylene rubber (EPDM)	DIN ISO 1629
3	Anchor plates and hinges	S355J2G2	DIN EN 10058/ DIN EN 10060



ANTICORROSIVE PROTECTION SYSTEM

Surface preparation	Blast cleaning Sa 2,5
Primer coating	Two-component epoxy, pigment (zinc powder)
The first intermediate layer	Two-component epoxy, pigment (iron mica)
Second intermediate layer	Two-component epoxy, pigment (iron mica)
The third intermediate layer	Two-component epoxy, pigment (iron mica)
The outer layer	Two-component epoxy, pigment (iron mica)

Installation of movement joints



Installation of movement joints





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Contact us right now



SPE “IMVO” main office

79016, Ukraine, Lviv, Angelovicha str., 28

<http://www.imvoracking.com/>

Secretary :

Tel/Fax: +38 032 297-14-44

E-mail: pryjm@imvo.lviv.ua

Department of warehouse equipment :

Tel/Fax: +38 032 297-04-50

E-mail: stelag@imvo.lviv.ua

ICQ: 638610133

Skype: imvo02