KANTA FLEX
TECHNOLOGY DECADE AHEAD

ELASTOMERIC SLAB SEAL EXPANSION JOINT
(MORT&H CLAUSE: 2606 – THIRD REVISION)

APPLICATION

Elastomeric Slab Seal Unit (ESU) is used as Expansion Joint in Bridge Structure to fill the expansion gap between bridge and superstructure.

MATERIAL

The elastomer shall be Chloroprene rubber, either of the brands of Neoprene WRT/ Bayprene 110/ Skyprene B5/ Denka S 40V and the Steel inserts are to IS: 226 or IS: 2062 – 1999.

FABRICATION

The ESU with steel inserts will be completely moulded to the required size in one single vulcanizing operation including the encasing layers as integral and homogeneous.

SPARES

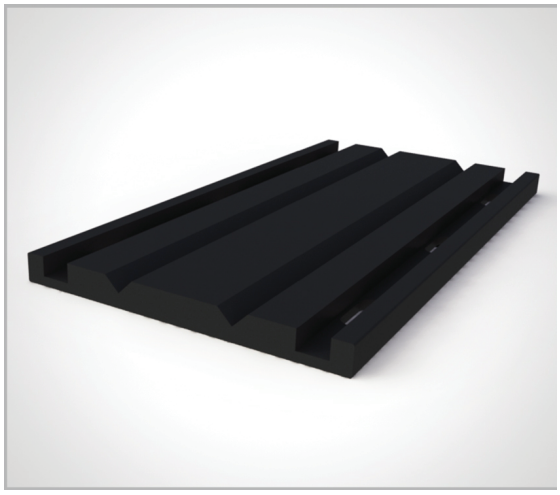
The ESU will have the spares of the following: -

1. Elastomeric Plugs
2. Spacer Bars, marked with center-to-center distance of fixing holes.
3. Fixing bolts and nuts made of Stainless Steel.
4. Anchor bar compressing hooked anchor stiffeners welded with lower steel inserts and Sinusoidal anchor bars welded with horizontal leg of the edge steel inserts. The complete anchoring arrangements of steel inserts shall be permanently welded/ tied with the steel reinforcements.

TESTING

PHYSICAL PROPERTIES OF THE ELASTOMER: -

	PROPERTIES	REQUIRED VALUES
1.	Hardness in IRHD	60 +/- 5
2.	Tensile Strength in MPa	17 Minimum
3.	Elongation in %	400 Minimum
4.	Compression Set in %	35 Maximum
5.	Accelerated Ageing:	
	•Hardness	+ 15 Maximum change
	•Tensile Strength, %	- 15 Maximum change
	•Elongation, %	- 40 Maximum change



INSTALLATION PROCEDURE

Detailed procedure is listed in MORT&H clause 2606-4 which can be treated as guidelines. Besides, the qualified engineers from Kantaflex will assist the contractors in project site to install the E.S.U in the gap.