

Expansion Joint Cover Assemblies

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 03

PART 1- GENERAL

1.1 Summary

- .1 Section includes:
 - .1 Expansion joint seals.

1.2 Administrative Requirements

- .1 Conduct a pre-installation meeting in accordance with Section 01 31 19.

1.3 Submittals

- .1 Submit required submittals in accordance with Section 01 33 00.
- .2 *Product* data sheets:
 - .1 Submit manufacturer's *Product* data sheets for *Products* proposed for use in the work of this section.
- .3 Shop drawings:
 - .1 Submit engineered shop drawings.
 - .2 Include large-scale details of members and materials, of anchorage devices where required, dimensions including field measurements taken of locations to receive expansion joint cover assemblies, thicknesses, description of materials, metal finishing specifications and all other pertinent information.
 - .3 Submit plans indicating intermediate joint/splice locations and transition locations.
- .4 Samples:
 - .1 Submit 305 mm (12") long sample of each type of expansion joint assembly. Include 1 expansion joint formed corner, and 1 typical butt joint.

1.4 Closeout Submittals

- .1 Submit closeout submittals in accordance with Section 01 78 00.
- .2 Maintenance instructions:
 - .1 Submit maintenance instructions for all items for incorporation into the operation and maintenance manuals.

1.5 Quality Assurance

- .1 Qualifications:
 - .1 Installers: Shall have 5 years' experience, minimum, in the application of the *Products*, systems, and assemblies specified and with approval and training of *Product* manufacturers.

1.6 Warranty

- .1 Warrant work of this section in accordance with Section 01 78 36.

Expansion Joint Cover Assemblies

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 03

- .2 Extended warranty:
 - .1 Labour, materials, and workmanship for work of this section.
 - .2 Duration: 2 years.

PART 2 - PRODUCTS

2.1 Performance/Design Requirements

- .1 Joint movement:
 - .1 Design expansion joint covers to permit unrestricted lateral movement of up to plus or minus 50% of joint width. Expansion joints shall be designed and installed to maintain watertight joints.

2.2 Materials

- .1 Expansion joint assemblies:
 - .1 Basis of design *Products*:
 - .1 EJS1: Sika Emseal 'Colorseal DS' (Primary Expansion Joint Seal).
 - .1 At cladding:
 - .1 Curtain Wall to Brick: Colour to match curtain wall.
 - .2 Brick to Brick: Colour to match Brick.
 - .3 Brick - Existing brick: Colour to match Brick.
 - .4 Or as noted.
 - ~~.2~~ EJS2: Sika Emseal 'DSM-DS'.
 - ~~.2.3~~ EJS3: Balco 'MetaGuard, MGTV-R30-4'.
 - ~~.3.4~~ EJS4: Balco 'MetaGuard MGTV-R13-4'.
 - .5 EJS5: ~~Balco 'BBSW-200 - Precompressed Secondary Seal'~~ Sika Emseal 'Colorseal', (Secondary Expansion Joint Seal).
 - .1 At wall cavity or as noted.
 - ~~.4.6~~ EJS6: Balco 'BBSW-200 - Precompressed Secondary Seal'.
 - .7 EJS7: Sutra 'Redline' - Waterproof Membrane Roof Expansion Joint Seal.
 - .8 EJS8: Sika Emseal 'Horizontal Colorseal'.
 - .1 At floor / roof, or as noted.
 - ~~.5.9~~ EJC1: Construction Specialties 'GFTM-200M'.
 - ~~.6.10~~ EJC2: ~~Sika Emseal 'Wabo CorridorWrap'~~ Balco 'HDTH'.
 - ~~.7.11~~ EJC3: Sika Emseal 'Wabo CWWs-200'.
 - ~~.8.12~~ EJC4: Sika Emseal 'Wabo-CWWF-200 CWWF200C'.
 - .2 Substitutions: in accordance with Section 01 25 00.

Expansion Joint Cover Assemblies

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 03

- .2 Neoprene/EPDM foam tape:
 - .1 Acceptable *Products*:
 - .1 PresOn 'P8100 (SC 42-UL)'.
 - .2 Substitutions: in accordance with Section 01 25 00.

2.3 Fabrication - Expansion Joints

- .1 Check actual locations of walls and other construction to which work must fit, by accurate field measurements before fabrication. Show recorded measurements on shop drawings.
- .2 Expansion joint assemblies shall be fabricated in maximum available lengths to minimize joints.

PART 3- EXECUTION

3.1 Examination

- .1 Prior to commencement of the work of this section, examine structure and substrates for tolerances in dimension and any condition affecting the work under this section. Inform *Consultant* in writing of unacceptable existing work and conditions.
- .2 Commencement of installation of work of this section shall be construed as acceptance of existing work and conditions and no other claims based on same will be entertained.

3.2 Installation - Expansion Joint Assemblies

- .1 Install expansion joint cover assemblies in accordance with manufacturer's written specifications.
- .2 Provide manufacturer's standard anchors, fasteners, set screws, spacers, flexible vapour seals filler materials, adhesive and other accessories compatible with material in contact, as indicated or required for complete installation for the work of this section.

3.3 Field Quality Control

- .1 Conduct quality control in accordance with Section 01 45 00.
- .2 Manufacturer's field review to be in accordance with Section 01 45 00.

END OF SECTION