

Part 1 General

1.1 Summary

- .1 Unless otherwise indicated, follow the standards below when specifying joint sealing work. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements

- .1 Always specify closed-cell polyethylene foam joint fillers, 30% oversized, with shape and density to provide optimum sealant performance.

Part 2 Products

2.1 Preferred Products

- .1 The threshold level of compliance with the General Emissions Evaluation and VOC content requirements for wet applied products standards listed in **01 84 19** for interior adhesives and sealants applied on site must be met by at least 90%, by volume, for emissions, and 100% for VOC content.
- .2 For products with low VOC emissions that may contribute to LEED® v4 EQ Credit Low-Emitting Materials, refer to:
 - .1 UL Environment <http://productguide.ulenvironment.com>
- .3 For products with a manufacturer inventory and/or Health Product Declarations (HPDs), for LEED® v4 MR Credit Building Product Disclosure and Optimization – Material Ingredients, refer to:
 - .1 Declare Product Database www.living-future.org/declare-products
 - .2 HPD Library <http://hpd.smithgroupjjr.org/>
- .4 Materials that are locally sourced (extracted, manufactured, and purchased) within 160 km (100 miles) are preferred and will increase cost values for credit calculations in the Materials and Resources Building Product Disclosure and Optimization credits.

2.2 Sealant

- .1 Sealant shall remain permanently elastic, non-shrinking, and non-migrating.
- .2 Sealant joint between window perimeter and masonry shall be of a chamfer joint shape.
- .3 Exterior sealant between aluminum frames and masonry shall be of ½” to ¾”, chamfer form and polyurethane base. Specify “Dymeric 240” as manufactured by Tremco or approved equivalent.
- .4 Interior/exterior wood window sealer: “OSI H2U High Performance Window, Door & Siding Sealant” as manufactured by Henkel, or approved equivalent.

- .5 Aluminum window sealant: “Dymonic” as manufactured by Tremco, or approved equivalent. (CAN/ONGC-19.13-M87)
- .6 Vertical expansion joint sealer: “ Spectrem 1 ” as manufactured by Tremco, or approved equivalent.
- .7 Acoustic sealer: “OSI GreenSeries SC-175 Draft & Acoustical Sound Sealant” by Henkel , or approved equivalent.
- .8 ULC sealer: “Fyre sil” or “Fyre shield” as manufactured by Tremco, or approved equivalent.

Part 3 Execution

- .1 Preparation and installation must follow manufacturer’s recommendation.

END OF SECTION