



20H SYSTEM Guide Specification

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The following guide specification is presented here in an easy-to-copy-and-paste format.

In addition, if you prefer, you may download this guide specification in .doc format by clicking this link: [20H SYSTEM GuideSpec \(.doc\)](#), or for below-grade joints: [20H SYSTEM BELOW GRADE GuideSpec \(.doc\)](#)

The index at left will take you to similar guide specification pages for other EMSEAL products.

[20H SYSTEM](#) by EMSEAL GUIDE SPECIFICATION

***Note to Specifier:

The 20H SYSTEM has been largely replaced for deck joint applications by the introduction in 2006 of the [DSM SYSTEM](#).

With its introduction in 2006 the [DSM SYSTEM](#) supersedes its predecessors, 20H SYSTEM and DSH SYSTEM, in most applications. The DSM SYSTEM builds on a track record of over 30 years of sealing horizontal plane joints with impregnated foam sealants and is an evolution of EMSEAL's earlier technologies. The DSM SYSTEM features greater movement capability, dual sealing, a fuel resistant silicone bellows coating, greater movement capability, better low temperature flexibility, and improved high temperature stability. It achieves these improvements through EMSEAL's new cellular-acrylic impregnation technology and is free of any asphalt compounds. Additionally, the DSM SYSTEM is totally free of wax or wax compounds. Consequently the suitability of the DSM SYSTEM is extended geographically as well as to applications such as in metal-angles, and top-decks previously not recommended for joint-face-adhered systems.

The 20H SYSTEM continues to have place in installations in below-grade, positive-side wall joints***

Application: Below-Grade expansion joints

Basis of Design: 20H SYSTEM by EMSEAL Joint Systems

USA & INTERNATIONAL: EMSEAL JOINT SYSTEMS, LTD, 23 Bridle Lane, Suite 3, Westborough, MA 01581-2603, Toll Free: 800-526-8365 or PH: 508-836-0280, FX: 508-836-0281, www.emseal.com.

CANADA: EMSEAL CORPORATION, 120 Carrier Drive, Toronto, Ontario, Canada, M9W 5R1 Toll Free: 800-526-8365 or PH: 416-740-2090, FX: 416-740-0233, www.emseal.com.

Basis of Design: 20H SYSTEM by EMSEAL Joint Systems for expansion joints in decks. Typical locations include, but are not limited to the following: applications for joints in below-grade walls and floors.

Foam shall be open cell polyurethane foam impregnated with an acrylic polymer-modified, water-based asphalt emulsion. Alternates containing wax or wax compounds shall not be permitted. Impregnation agent to have proven non-migratory characteristics. Compression when expanded in joint shall be at approximately 20% of its uncompressed dimension (5x compression).

Depth of seal as recommended by manufacturer. 20H foam seal to be installed into manufacturer's standard epoxy adhesive. Exposed surface to be sealed with EMSEAL Topcoat.

END OF GUIDE SPECIFICATION

[20H SYSTEM GuideSpec \(.doc\)](#)

[20H SYSTEM](#) by EMSEAL Below-Grade GUIDE SPECIFICATION

Application: Watertight expansion joints for below-grade behind waterproofing membrane (by others).

Basis of Design: 20H SYSTEM by EMSEAL

USA & INTERNATIONAL: EMSEAL JOINT SYSTEMS, LTD, 23 Bridle Lane, Suite 3, Westborough, MA 01581-2603, Toll Free: 800-526-8365 or

PH: 508-836-0280, FX: 508-836-0281, www.emseal.com.

CANADA: EMSEAL CORPORATION, 120 Carrier Drive, Toronto, Ontario, Canada, M9W 5R1 Toll Free: 800-526-8365 or PH: 416-740-2090, FX: 416-740-0233, www.emseal.com.

Basis of Design: 20H SYSTEM by EMSEAL for installation into joint-openings behind below-grade waterproofing membrane (by others). Typical locations include, but are not limited to the following: For exterior vertical below grade walls (for installation from the positive side only). Appropriate protection board over the expansion joint material is required to minimize backfill pressure.

Foam shall be open cell polyurethane foam impregnated with an acrylic polymer-modified, water-based asphalt emulsion. Alternates containing wax or wax compounds shall not be permitted. Compression when expanded in joint shall be at approximately 20% of its uncompressed dimension (5x compression).

Depth of seal as recommended by manufacturer. 20H foam seal to be installed into manufacturer's standard epoxy adhesive. Exposed surface to be sealed with EMSEAL Topcoat.

*****END OF GUIDE SPECIFICATION****

[20H SYSTEM BELOW GRADE GuideSpec \(.doc\)](#)

Meet online now:



Expansion joints and precompressed joint sealants by EMSEAL

1-800-526-8365 -- 508-836-0280 -- techinfo@emseal.com -- Fax: 508-836-0281

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