INSTAL



20H SYSTEM

DO NOT OPEN ANY MATERIALS or install this material untill all members of your crew have read and understand these instructions as well as all relevant MSDS sheets. If you do not understand any part of these instructions CALL EMSEAL: USA: 800-526-8365, or 508-836-0280 Canada: 866-436-7325, or 416-740-2090

Equipment & Material Storage

In addition to saftey equipment required to comply with applicable safety regulations, equipment to prepare and repair the jointfaces, as well as normal tools for the trade, the following are required:

Equipment Checklist:

 \square Propane torch with 40mm (1 ½-inch) diameter nozzle and long hose. DO NOT use small hand forch.

Tape measure.

Long-bladed bread knife and hacksaw for cutting inside and outside corners. □ Spray bottle with water.

Gloves.

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- □ Spatula to scrape epoxy from cans.
- □ Jiffy mixers and heavy duty, low speed, high torque drill for mixing epoxy.
- Duct tape (4 times the length of joint). \Box 50mm (2") margin trowels for applying
- epoxy adhesive on material. Acetone solvent for cleaning joint-faces,
- trowels and mixer. Clean lint-free rags.

faces are parallel.

installation.

marked on each box.

• Find correct box and open it.

(95°F) temperature range.

complete mixing.

material as measured between

2 **Prepare & Solvent-Wipe Joint Faces**

Concrete:

• Remove loose particles and weak concrete to ensure sound concrete substrate. Spalls, chipped edges and uneven surfaces must be repaired using suitable patching material and proper patching geometry and techniques. Joint faces must STORAGE: be parallel. Joints must have unobstructed depth areater than **Cold Days** or equal to the full depth of the largest material supplied plus 1/ Below 41°F (5°C): Store sealant inside 2-inch (6mm). • Remove all contaminants by sandblasting or grinding to ensure off the floor, at above 68°F (20°C) a thoroughly clean and sound substrate for the full sealant depth, NOTE: DO NOT use wire wheel--this will polish the or, ideally, in a hot substrate and cause bond-failure. box at job site. Dry all wet surfaces. NOTE: Do not use flame to dry substrate-this will leave carbon on the substrate and cause bond-failure. Hot Days Wipe joint faces with solvent-dampened, lint-free rags to Above 60°F (15°C): remove all concrete dust and contaminents. Keep sealant at room temperature Steel. and out of direct • Sandblast or grind to white metal and solvent-wipe immedisun. At verv hot ately prior to applying 20H epoxy. temperatures, to slow foam expan-Caution: Keep solvents away from 20H foam as they could sion, cool material dissolve the asphalt impregnation. in boxes with ice or dry ice. Other Substrates: Contact EMSEAL. 4 Measure Joint Width & Find Correct Size Material **Pre Cut Joins & Lay Out Material** • Measure joint width at deck surface and below to ensure joint TIP: Pre-cutting any stick length to accommodate a determined join will save production time. • Material has been supplied to suit your mean-temperature Using a power saw with a standard wood blade (not field-measured joint widths. Widths of material supplied are carbide tipped) make 90-degree cuts through the shrinkwrap, hardboard, and 20H foam where warranted for length measurements. Compare width of material supplied TIP: Continuously spray the saw blade with water to make as marked on each stick against cutting easier. 0.0 mean joint width. Actual width of Cutting may split the shrink-wrap which will allow the foam to begin to expand prematurely. To prevent this, wrap a piece 00 0 hardboard will be slightly less than of duct tape around each cut end. Lay sticks out along the joint-gap at installation points. marked size because material is over compressed to aide NOTE: If unsure of correct material selection, consult EMSEAL. 6 **Apply Epoxy to Substrate** Mask Deck & Mix Epoxy Adhesive • Using duct-tape, tape off the deck on both sides of the joint. Ensure that the mixed epoxy adhesive is applied to the substrate before the pot life has expired (10-30 minutes 20H epoxy adhesive may be used in the 5°C (41°F) to 35°C depending on the ambient temperature). • Cut off the top of the container of Part B of the epoxy adhesive and pre-mix Part B with a stir-stick or jiffy mixer. WARNING: Epoxy will harden more quickly when left in • Open Part A but do not cut the top of the container of Part A. the pot--get it onto the joint face as soon as possible. • Using a trowel, transfer the entire contents of Part B (hardener) **IMPORTANT:** The epoxy must still be uncured into the contents of Part A (base). • Mix the material thoroughly with a drill and iiffy mixer. Scrape when installing 20H foam into the joint-gap. the walls and bottom of the container to ensure uniform and If the epoxy cures before installing the 20H foam then reapply new epoxy. If work is-۸. ۷ ٠, **IMPORTANT:** Always mix component B (hardener) into component interrupted for more than 2 hours after . 0. à A (base). Ensure that a uniform gray color with no black or white initial cure then grind the old epoxy and streaks is obtained. DO NOT thin the epoxy. apply new wet epoxy.

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INSTALL DATA - 20H SYSTEM