

**APPROVED CONCRETE PATCHING MATERIALS FOR BRIDGES**  
**May 11, 2021**  
**(This List supersedes all previous lists)**

**File 3225-5**

HEH	LTH	NH	OH-V	FP	Product	Manufacturer	Alberta Supplier
	X				Master Emaco T545 ( <i>Set 45</i> )	BASF	Unicon Concrete Specialties Ltd. / Cascade Aqua-Tech Ltd. / Brock White Construction Materials
X					Master Emaco T1060 ( <i>10-60 Rapid Mortar</i> )	BASF	Unicon Concrete Specialties Ltd. / Cascade Aqua-Tech Ltd. / Brock White Construction Materials
		X			Master Emaco T1061 ( <i>10-61 Rapid Mortar</i> )	BASF	Unicon Concrete Specialties Ltd./ Cascade Aqua-Tech Ltd. / Brock White Construction Materials
				X	Master Emaco S440 MC ( <i>LA Repair Mortar</i> )	BASF	Unicon Concrete Specialties Ltd./ Cascade Aqua-Tech Ltd. / Brock White Construction Materials
		X			SikaTop 122 Plus	Sika Canada Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
			X		SikaTop 123 Plus	Sika Canada Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
				X	Sikacrete 08 SCC	Sika Canada Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
X	X				SikaSet 45	Sika Canada Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
		X			Mapecem 202	MAPEI Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
				X	Planitop 15	MAPEI Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
X					Planitop 18	MAPEI Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
X					Planitop 18 ES	MAPEI Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
			X		Planitop 23	MAPEI Inc.	National Concrete Accessories / Northlands Construction Supplies / Brock White Construction Materials
X		X			Versaspeed 100	Euclid Canada	Con-Spec Industries Ltd./ Brock White Construction Materials/Unicon Concrete Solutions
			X		EucoRepair V100	Euclid Canada	Con-Spec Industries Ltd./ Brock White Construction Materials/Unicon Concrete Solutions

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- Type HEH** High early horizontal (HEH) patches are used to repair flat areas such as bridge deck potholes or curb top spalls. These products are generally used during the summer when good weather conditions prevail, i.e. at temperatures above 10°C, and a high early strength is required in order that traffic may be allowed to resume quickly. They are designed to be poured into place.
- Type LTH** Low temperature horizontal (LTH) patches are used to repair areas similar to those described in NH when the ambient temperature is in the range of 0° to 5°C and generally during the spring and late fall. Do not use Type LTH in hot summer conditions. They are designed to be poured into place.
- Type NH** Normal horizontal (NH) patches are used to repair areas such as bridge deck potholes or curb top spalls. These products are generally used during the summer when good weather conditions prevail. Traffic or overlay may be placed after three days of curing. They are designed to be poured into place.
- Type OH-V** Overhead or vertical patches (OH-V) are used to repair areas such as high load damage to precast girders, spalling on the underside of bridge decks, vertical faces of curbs, pier caps, abutment seats and backwalls. These products are generally used during the summer when good weather conditions prevail. They are generally designed to be applied by trowelling rather than forming.
- Type FP** Form and Pour or Form and Pump patches are used to repair areas similar to those described in OH-V. In addition, it could also be used on vertical surfaces such as walls, columns, and beam sides and bottoms. FP patching materials have high self-compacting properties, high viscosity and low yield. They are designed to be poured or pumped into formed repairs.

All patching products must meet the latest requirements of the "Specification for the Supply of Concrete Patching Materials" (B391) found at <http://www.transportation.alberta.ca/Content/docType254/Production/B391July2017.pdf>. For further information please contact:

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