CONCRETE PATCHING MATERIALS

All patching products must meet the latest requirements of the Specification for the Supply of Concrete Patching Materials (B391).

APPROVED PRODUCTS

**Type NH**
Normal Horizontal 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. The product will be poured and shall be of workable consistency. Packaging should include waterproof lining. Date of production should be stamped on each bag.

**Type 0H-V**
Overhead or vertical patches 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 and abutment seats and backwalls. These products are generally used during the summer when good weather conditions prevail. The patches are designed to be applied by trowelling rather than forming. Packaging should include waterproof lining. Date of production should be stamped on each bag.

**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 of 10°C or more, and a high early strength is required in order that traffic may be allowed to resume quickly. The product will be poured and shall be of workable consistency. For best results, sawcut the patch perimeter to a minimum depth of 15 mm and sandblast the surface of the hole prior to placing the patch. Packaging should include waterproof lining. Date of production should be stamped on each bag.

**Type LTH**
Low Temperature Horizontal patches are used to repair areas similar to those described in NH when the ambient temperature is in the range of 0°C to 5°C and generally during the spring and late fall. Do not use Type LTH in hot summer conditions. The product will be poured and shall be of workable consistency. Patch area can be exposed to traffic in about one hour. Packaging should include waterproof lining. Date of production should be stamped on each bag.

**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, and faster strength development rate which helps restore structural integrity and concrete cover requirement for the damaged element.