

## **APPENDIX A10**

### **Permanent Cold-lay Surfacing Materials - (PCSMs)**

#### **A10.1 INTRODUCTION**

- 1) Conventional hot-lay bituminous materials generally require heated and/or insulated transport and are especially difficult to lay when the required quantity is small or the site is remote from the nearest coating plant. Cold-lay surfacing materials can be formulated to give a performance equivalent to hot-laid materials, yet remain workable for several days, at least, without degradation during storage and transport. Such materials may allow a higher degree of immediate permanent reinstatement in small or remote excavations that represent much of an Undertaker's workload. Such materials are termed Permanent Cold-lay Surfacing Materials (PCSMs).

#### **A10.2 PERMITTED USAGE OF APPROVED PCSM MATERIALS**

- 1) The overall PCSM formulation, manufacture and placement are limited only by the need to comply with the BBA/HAPAS guideline for approval and certification of Permanent Cold-lay Surfacing Materials (PCSM's) December 1999 which includes procedures for the testing of potential PCSMs within the public highway and formal approval procedures for their use within England and Wales.
- 2) Approved PCSMs, laid and compacted in accordance with Appendix A8, may be used in substitution for any permitted bituminous material, at the discretion of the Undertaker, as follows:
  - a) Deferred Set Material (DSM), at any position, in all reinstatements.
  - b) Permanent Cold-lay Surfacing Material (PCSM), at any position, in all reinstatements in footways, footpaths and cycletracks.
  - c) Permanent Cold-lay Binder Course (PCBC) in all reinstatements in Type 3 & 4 roads.
  - d) Permanent Cold-lay Surface Course (PCSC) in all reinstatements in Types 2, 3 & 4 roads.
- 3) Whenever a potential PCSM binder has begun a PCSM Approval Trial, regardless of aggregate or material formulation under trial, then any material manufactured using that binder shall be considered to be an approved Deferred Set Material to BS 4987 (DSM), for interim use only, with immediate effect.

#### **A10.3 UNSUCCESSFUL PCSM APPROVAL TRIALS**

- 1) Where any PCSM fails to meet the requirements for BBA/HAPAS approval at the conclusion of a carriageway trial, the following remedial actions shall be carried out: