



URETHANE & EPOXY SYSTEMS, DEVELOPMENT & MANUFACTURE

TECHNICAL DATA

DURACRETE PCM TOPPING

DESCRIPTION	Duracrete PCM topping is a three part, fast setting, polyacrylate modified cement mortar topping. It is suitable for overcoating with a range of Uroxsys toppings or coatings to enhance chemical, impact or slip resistance.
USES	Duracrete PCM topping is used to reconstruct damaged concrete areas prior to resurfacing, for pitching floors for drainage, or as a stand alone topping in areas requiring a hard wearing system where high chemical resistance is not required.
COLOUR	Natural grey.
FEATURES	A fast cure, cement modified polyacrylate topping with a high impact resistance. Controlled shrinkage during cure minimises cracking at low build. Fast curing enables overcoating with Uroxsys epoxy systems from 24 hours. Available in medium or fast grades.
SURFACE PREPARATION	Concrete substrate must be thoroughly cleaned and scabbled as required to remove unsound material. The surface should be dried and primed with Duraprime COP for maximum adhesion. For unstressed overlays, priming with a slurry of PCM liquid and cement is satisfactory.
APPLICATION	<p>Mix equal weights of pea gravel or crushed chert, clean dry plastering sand and cement, and add Duracrete PCM liquid at the rate of 10kg PCM liquid to 40 kg (1 bag) cement. Add water sparingly as required until the mix forms a damp trowelable mix. DO NOT OVER THIN. Lay mixed PCM mortar into primer (either Duraprime COP or Duracrete PCM liquid/cement) whilst the primer is still wet or tacky. Minimum thickness of application is 5mm.</p> <p>For 2-3mm thin levelling coats, use plasterers sand (maximum grain size not greater than one third to screed thickness) using usual plasterers ratio sand / cement ie 3 or 5 to 1 by volume. Add PCM liquid at 10 kg per 40kg cement ratio and add water sparingly to get good application properties.</p> <p>In thin overlay applications 5-15 mm) cover freshly laid material with plastic film to minimise evaporation. Maintain a temperature of above 10°C during cure to ensure full properties are developed.</p>

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3 component:	Thoroughly mix equal parts of clean, dry, sharp plastering sand, pea gravel and cement by weight, then add PCM liquid at rate of 10 kg per 40kg bag of cement. Add water sparingly as required to handle.
Film Thickness:	Minimum 5mm
Coverage Rate:	1m ³ sand/aggregate + 10 bags cement + 105 kg PCM liquid makes approx. 1m ³ of topping.
Dry Time @ 20°C:	24 hours
Topcoating	ECS Clear, Duraprime AEP, or as specified.
Shelf Life:	Six months in sealed container.

SAFETY DATA: Wear protective clothing. Before commencing work, apply barrier cream.

This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

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