

Mastertop® Flooring Solutions

Minimising your downtime



 **BASF**

The Chemical Company



Mastertop® 1278, 1288 and 1298 follow the polykit system to minimise the number of components allowing the production of different types of floors from a few simple building blocks.

BASF Construction Chemicals, through their worldwide research network, have created a unique product for the refurbishment of industrial floors and for reducing the time taken to install a new floor. The Mastertop® 1278, 1288 and 1298 systems are the outcome of this research effort and provide the applicator and owner with unique features for the installation of floors.

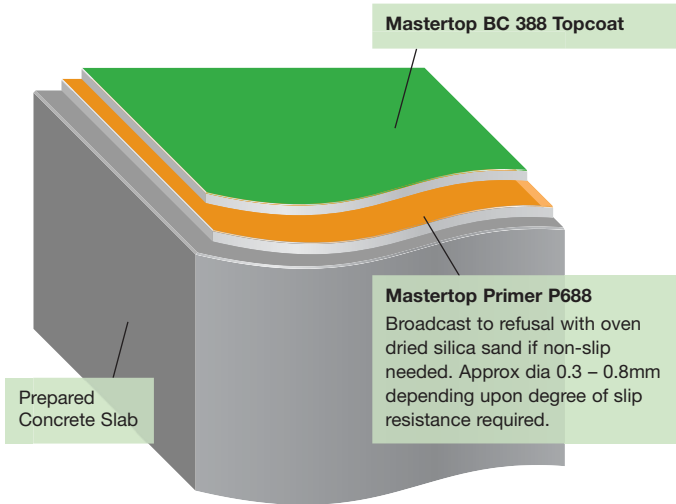
It has long been recognized that time is money and that keeping factories and warehouses operational is crucial to business success. Factory owners can no longer refurbish or install a new floor and wait for 3-5 days for it to reach its optimum strength so that normal activities can be resumed. A number of solutions to this have previously been formulated but often they entail complex application machinery, solvent containing products or products with significant bad odours. The greater awareness of health and safety and the reduction of risk to the staff and customers means that many of these solutions are just no longer acceptable.

Mastertop® 1278, 1288 and 1298 are formulated with a number of specific criteria in mind:

- **Low VOC** – They do not contain solvents and all materials are active in the curing process
- **Low Odour** – Ingredients have little or no odour and staff near the work area will be unlikely to detect any odour
- **Fast Return to Service** – The primer (P688) and Bodycoat (BC388) have been formulated to cure quickly and to gain their ultimate strength more quickly allowing return to full service after 24 hours
- **Long Working Time** – formulated to work in tropical and sub tropical climates without reduction of working time making application easier
- **Simple Application** – no need for special tools beyond those used in traditional epoxy works to apply properly
- **Excellent Mechanical Properties** – Thin coats are able to cope with forklift traffic
- **Choice of Colours** – allows colour coding of factory areas or to complement the corporate colour scheme

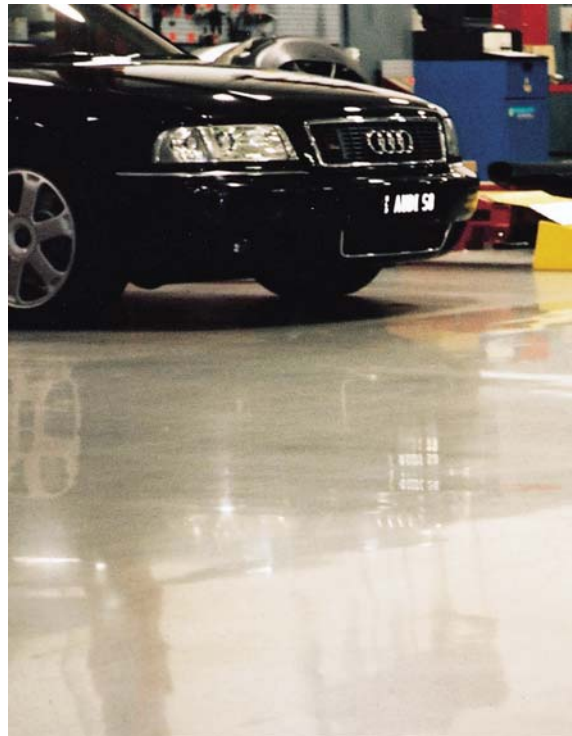
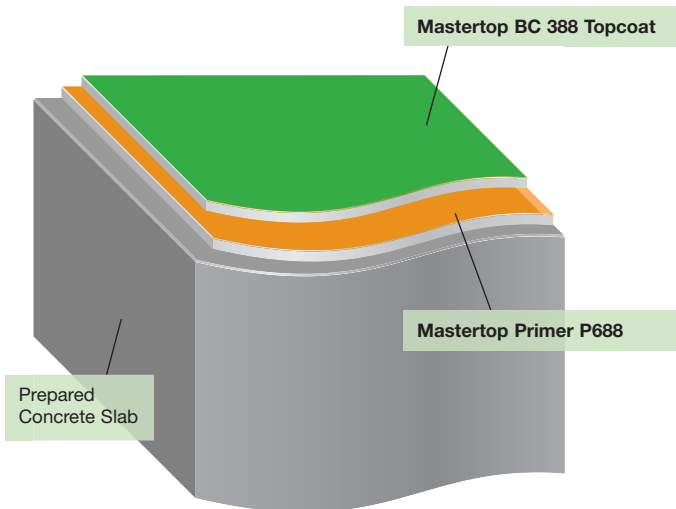
Mastertop® 1278

A thin, smooth, glossy rollcoat from 0.4mm to 0.9mm which can have an added broadcast of selected fillers to create a slip resistant finish.



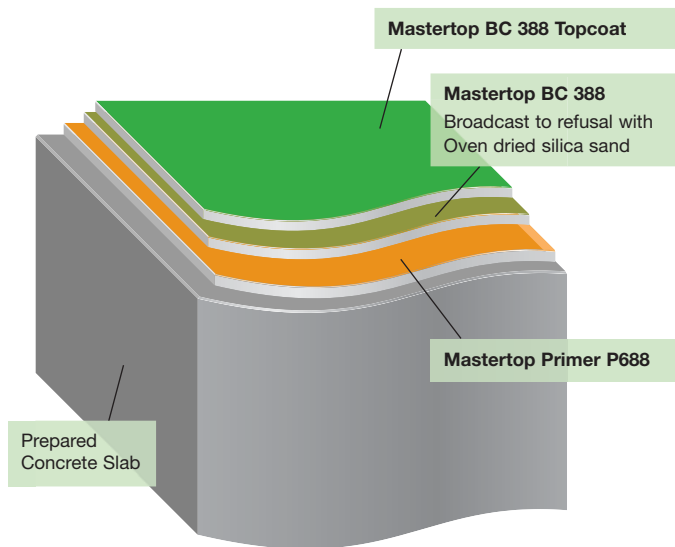
Mastertop® 1288

1.5 to 3mm thick, self smoothing, glossy floor topping.



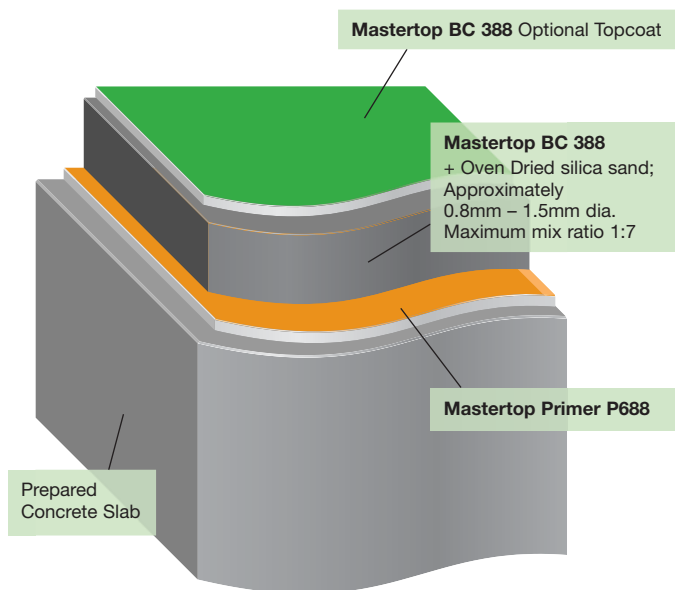
Mastertop® 1288

1.5 to 3mm thick, self smoothing, glossy floor topping – Non Slip Finish.



Mastertop® 1298

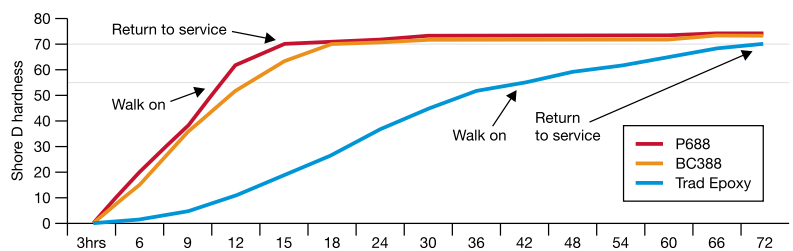
3-6mm slip resistant floor screed / topping





| Properties of Primer | Mastertop® P688 |
|----------------------------------|---------------------------|
| Pot-life @35°C | 12 mins |
| Walk-on-time @25 °C | 5-7 hours |
| Hardness, Shore D @24hrs @25°C | 71-75 |
| Bond strength (Primer + Topcoat) | > 3MPa (Concrete failure) |
| Alkali resistance | Pass |

| Properties of Bodycoat | Mastertop® BC 388 |
|---------------------------------|--------------------------|
| Potlife @ 35 °C | 16min |
| Curing time able to walk | <8hrs |
| Curing time return to service | <14hrs |
| Flexural strength | 40 @ 7 d |
| Compressive strength | 104 @ 7 d |
| Hardness (Shore D) | 73 @ 24h, 80-82&7d |
| Young's modulus | 6.6 @ 7d |
| Chemical resistance | Pass |
| Anti-skid (Dry friction factor) | 0.56 |
| * Resistance to abrasion | 0.02 |
| Bond strength to concrete | ≥2.5 |
| Application method | Roller, Trowel, spraying |
| Application temperature | 10 °C -35 °C |



The above graph shows how the Shore D develops many times more quickly than traditional epoxies, which gives the Mastertop® Fast Return to Service its unique attributes. Along with strength and hardness gains, it also attains its full chemical resistance in the same time period.

Often, new floors are damaged in their first few days of operation as they have not achieved their full mechanical and chemical resistance properties. The Mastertop® Fast Return To Service product avoids this by achieving what normal epoxies achieve in 3-7 days in one making the ideal product for refurbishment activities.

| Description | Technology | Warehousing | Heavy engineering automotive/truck/bus | Chemical exposure | Abattoirs, food processing, food preparation | Breweries, fruit juice factories | Commercial floors | Metal processing | Damaged floors | Charging rooms, waste disposal etc | Carparks, stadiums etc | Bulky goods stores and supermarkets |
|----------------|---|-------------|--|-------------------|--|----------------------------------|-------------------|------------------|----------------|------------------------------------|------------------------|-------------------------------------|
| Mastertop 1278 | Fast return to service epoxy rollcoat | ● | ● | | | | ● | | ● | ● | ● | ● |
| Mastertop 1288 | Fast return to service self smoothing epoxy | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● |
| Mastertop 1298 | Fast return to service epoxy screed topping | | ● | ● | ● | ● | | ● | ● | ● | | |

Intelligent Solutions from BASF Construction Chemicals

Concresive® - Resin Based Mortars, Adhesives and Injection Systems
Conibase® - PU Based Basement and Below Ground Waterproofing Systems
Conibridge® - PU Based Membranes to Protect Bridge Decks
Conideck® - Hand and Spray Applied Waterproof Membrane Systems
Coniroof® - PU Based Roofing Systems
Emaco® - Concrete Repair Systems
Finestone® - Exterior Insulation and Finishing Systems (EIFS)
Glenium® - For Hyperplasticized Concrete
Masterflex® - Joint Sealants
Masterflow® - Precision and Structural Grouts
Masterpren® - Preformed Membrane Waterproofing Sheets
Masterseal® - Coatings and Waterproofing
Mastertop® - Decorative and Industrial Flooring Solutions
MBrace™ - Composite Strengthening Systems
Meyco® - For Shotcrete and Spraying Equipment
PCI® - Tile Fixing and Cement Underlays
Pozzolith® - For Water-reduced Concrete
Rheobuild® - For Superplasticized Concrete
Rheomix® - For Improved Block Mortars
Rheoplus® - Cost-effective Products for Hyperplasticized Concrete
Ucrete® - Flooring Solutions for Harsh Environments
WABO® - Expansion Control Systems

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 **BASF**
The Chemical Company

BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics and performance products, to agricultural products, fine chemicals and oil and gas. As a reliable partner, BASF helps its customers in virtually all industries to be more successful. With its high-value products and intelligent solutions, BASF plays an important role in finding answers to global challenges such as climate protection, energy efficiency, nutrition and mobility.

Further information on BASF is available on the Internet at www.basf.com