



انظمة تشطيب  
Finishing Systems

## SKIM COAT SC45

### PRODUCT DESCRIPTION

DMC Skim Coat SC45 is a sprayable premium humidity resistant filler to create smooth and durable surfaces in one step. SC45 can be used on all level cement and lime-based surfaces without prior preparation by primer. SC45 is developed for the harsh Middle East climate conditions and optimized for the latest automatic mixing and spraying machines. SC45 is ideal in combination with DMC Base Render BR35+ or BR30.

### TYPICAL APPLICATIONS

DMC SC45 is primarily used to create smooth finishes on internal walls. SC45 is ideal in institutional or high traffic areas where high durability of the finish is required.

### FEATURES & BENEFITS

- Fast and easy spray or hand application
- Highly durable for institutional use
- Humidity resistant

### APPLICATION PROCEDURE

#### Surface preparation:

All surfaces must be dimensionally stable, clean, sound and free from all traces of oil, grease, mold release agent and curing compound. Concrete and renders should be cured sufficiently that all shrinkage has occurred. Larger surface inconsistencies should be filled and leveled out with BR30 in advance.

We recommend to prepare the surface with DMC Prime Coat PC10 to allow for easier application and a longer open time for Skim Coat SC45.

#### Mixing instructions:

Add 25KG of SC45 to 11.8L of cool, clean and salt-free water. Mix to a uniform lump free consistency and allow mixed material to stand for 5 minutes. Then mix again before use. Full bags should ideally be mixed in a mixing machine at slow speed. Part bags should be mixed using a slow speed drill and mixing paddle.

#### Application instructions:

Apply first thin layer of SC45 with trowel or spray-gun. Then distribute and push the material with trowel into the small holes and cracks. Wait for approximately 30 minutes. Apply second layer with trowel or spray-gun, push material again into remaining holes and cracks and create smooth finish with stiff spreader.

#### Curing:

Leave for a minimum of 36 hours before painting.

Disclaimer: All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions.

### COMPOSITION

Binder:	Hydrated lime White cement
Aggregates:	Graded sand (max. grain size 0.2mm)
Additives:	Organic polymers to improve consistency and workability

### SUBSTRATES

Concrete, fair-faced concrete, render

### APPLICATION

Mixing ratio:	11.8L per 25KG
Rec. min. thickness	0.2mm
Max. thickness/layer	1mm

### TYPICAL PROPERTIES

Abrasion resistance (28 days):	< 2000mm <sup>3</sup>
Appearance:	White powder
Bonding strength:	>0.5N/mm <sup>2</sup>
Colour:	Ivory
Compressive strength:	> 5.5N/mm <sup>2</sup>
Consumption per m <sup>2</sup> :	1.15kg/mm
Flexural strength:	> 1.9N/mm <sup>2</sup>
Mortar class:	SASO EN 998-1 CS II
Water absorption coefficient:	1970kg/m <sup>2</sup>
Yield: approx.	870L/Ton

### CONFORMITY

EN 1015-11	EN 1015-12
EN 12808-2	EN ISO 15148
SASO EN 998-1 CS II	Singapore Standard

### FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



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## APPLICATION TEMPERATURE

Do not use material below 5°C, schedule work for morning hours during extreme heat.

## LIMITATIONS OF USAGE

- Avoid applying the material in direct sunlight
- Avoid work interruptions during application
- Do finishing steps before material starts to set
- Ensure that tools are clean
- Always add material to the water
- Do not re-temper mixed material
- Do not mix with any other material
- Setting time of the product may vary largely depending on climatic conditions, substrates and application thickness of the product

## TECHNICAL INFORMATION

Consult the DMC Technical Services Department for specific recommendations concerning all other applications. Visit the DMC website [www.dmc-mix.com](http://www.dmc-mix.com) for additional information about products, systems and for updated literature.

## SAFETY PRECAUTIONS

As with all building products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eye and skin immediately. If accidentally ingested, seek immediate medical attention. Use in well ventilated areas. Avoid inhalation of dust when using powdery products. Wear suitable protective gloves, safety goggles and respiratory protection mask.

## STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Shelf life is 9 months for all dry mortar products and 3 months for all liquids. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult DMC's Technical Services Department.

## PACKAGING

- 25KG bag



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## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local DMC representative.

DMC reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY & CARE

All products originating from DMC Saudi Arabia are manufactured under conformity to the requirements of the quality, environmental and occupational health & safety standards of the above mentioned SASO, ANSI, ASTM, ISO and DIN EN norms.

## DISCLAIMER

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control.

All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions. As all DMC technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

