

DESCRIPTION

Romatop is a high performance single component polymer fortified, colored, cementitious micro topping that can be troweled, sprayed, brushed, or roll-applied on a variety of horizontal and vertical surfaces.

USES

Romatop is suitable for use to top, color, tint, repair, restore or antique exterior & interior floors & walls ranging from residential to heavy commercial and industrial applications. Romatop can be applied in thicknesses ranging from featheredge to 1 mm, or layered to achieve larger thicknesses. Romatop is suitable as trowel or roll-applied hard-wearing surface topping that can also be acid stained. Romatop is also suitable for vertical surfaces finishing, applied by roll, trowel, brush or spray. With the proper technique using a trowel or sponge, Romatop will give a variegated coloring effect on smooth vertical surfaces. Romatop is ideal for restoring existing concrete floors or for unifying the appearance of concrete surfaces. When applied by spray gun, Romatop is used to tint and color concrete and plastered surfaces, such as artificial rock.

ADVANTAGES

- Durable & long lasting.
- Will not separate after mixing with water.
- Highly flexible.
- Superior adhesion – applicable on a variety of surfaces.
- Water permeable and breathable.
- Exterior and Interior application.
- Single component - ready and easy to use.
- Excellent moisture and water resistance.
- Self priming.
- Fast drying.
- Self curing.
- UV Resistant.
- Wide range of application techniques.
- Available in 40 standard colors.

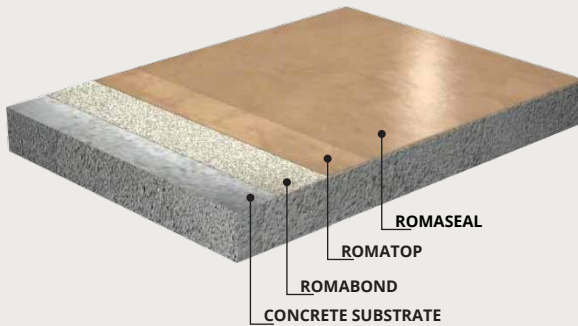
COVERAGE

The coverage will vary depending on application technique, substrate, and finish. The following are typical ranges:

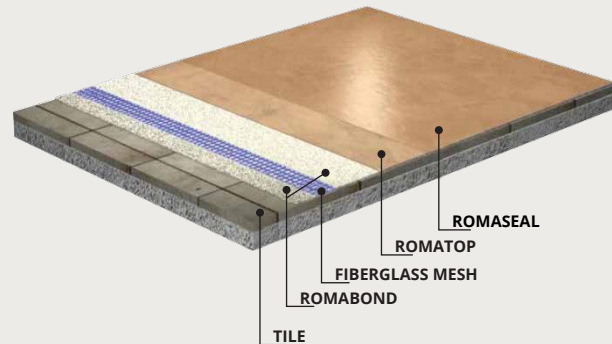
Sponge	100120- m ² per 20 kg bag.
Brush	6080- m ² per 20 kg bag.
Roll	6080- m ² per 20 kg bag.
Spray	80100- m ² per 20 kg bag.
Trowel	3050- m ² per 20 kg bag.

SYSTEM DETAIL

Installation on Concrete Floor



Installation on Tiled Floor



LIMITATIONS

When applied to old concrete surfaces, particularly for high traffic applications, a coat of Romabond must first be applied to the surface. In all flooring applications, the surface must be sealed with Romaseal once the surface has cured for a minimum of 48 hours. If the surface coated with Romatop is to be chemically stained, it must be allowed to cure for a minimum of three days. Where thicknesses larger than 1 mm are desired, Romatop must be layered in several applications, allowing each layer to dry for a minimum of 34- hours before applying the next layer. Do not apply if ambient temperature is expected to drop below 7°C, or if rain is expected in the proceeding 24 hour period after application. Do not apply in direct sunlight, or when temperature will exceed 35°C under direct sunlight.

PHYSICAL PROPERTIES

Test	Criteria	Result
Compressive Strength (EN 12808- 3:2002)	$\geq 3.5 \text{ N/mm}^2$	4.09 N/mm ²
Flexural Strength (EN 12808-3:2002)	N/A	2.13 N/mm ²
Abrasion Resistance (EN 12808-2:2002) Regular Concrete <i>Romatop</i>	$\leq 2,000 \text{ mm}^3$ (lower better)	854 mm ³ 216 mm ³
Tensile Adhesion (w/ <i>RomaBond</i> base)	-	2.3 N/mm ² (Pass)

SURFACE PREPARATION

Romatop can be applied on an array of bases. It is very compatible with new concrete, cement based tiles, cementitious terrazzo, masonry, and primed wood surfaces. All bases should be sufficiently rigid and clean of any surface contamination that may prevent good water absorption. Dense, smooth surfaces, and those retaining excessive amount of form release agent can cause delamination from the base. Any painted or coated surfaces should be sandblasted or pressure washed to remove existing coatings. Cracks should be corrected with a patching compound or a Crack Filler. For flooring applications, the surface must first be coated with Romabond in two layers to provide an additional keying coat, unify the surface absorption, and level out any small holes or slight imperfections in the surface. It is recommended to water the surface of the concrete prior to application of the Romabond layer in order to prevent excessive drying; do not apply the Romabond while water puddles are still present on the surface. Do not use the Romabond layer to do major level or surface corrections and levelling; this must be done with a patching compound. For vertical applications on gray plaster or concrete, a primer coat is not necessary. Please refer to the relevant Romatop technical data sheets for

installation instructions. For application on cementitious tiles and extensively patched concrete surfaces, it is recommended to embed fiberglass mesh between the two coats of Romabond.

MIXING

Mixing should be done with a drill mounted jiffy-type mixer. Always add clean potable water first. Mixing duration should last for 2 to 3 minutes to insure proper color and material dispersion within mix. Allow mix to stand for 5 minutes and re-tamper. The water to powder mixing ration depends on the method of application. Refer to the APPLICATION section for instructions.

APPLICATION

Application temperatures should be between 5°C and 35°C. Always test a small area to ensure bonding ability and satisfaction of appearance before total application. Romatop may be applied by sponge, brush, roll, spray, or trowel. The ideal method for dosing water is parts by volume. Use all mixed material within 4 to 6 hour. Romatop can be sponged, brushed, or rolled on using a roller with ½" nap for smooth surfaces, or ¾" nap for rough textured surfaces. Generally the higher the amount of water, the more transparent the finish will be. A minimum of one part Romatop to one part water is needed for workability. The mixture can be diluted with up to three parts water for a light tint. Sponge, Brush, and Roll Application:

Romatop can be sprayed using a gravity feed air spray gun, ideally having a 2.8 nozzle.

Spray Application:

Warning: All personal in the area must wear an approved dust respirator while applying Romatop by spray. Typically, the Romatop powder might have to be sieved through a fine fabric to remove coarse components in order to prevent clogging of the spray nozzle. Generally one part Romatop to at least one part water is used for the first coat - run several trials to find suitable ratio.

If a blended effect is desired, apply consequent coat while the previous coat is still wet. If distinction between different colors is desired, allow each coat to dry for at least two hours before applying the next coat. Romatop can be applied by trowel or scrapper for a strong, high-wearing layer. The mixing ration can vary widely depending on the desired effect and the area of application. For application on vertical surfaces, a slightly thicker consistency is required; mix the powder to water in a 1.5:1 to 2:1 ratio to achieve a workable paste.

Trowel/Scrapper Application: For smooth trowel finished flooring applications, first apply a minimum of two coats of Romatop by squeegee. Before applying the final smooth troweled layer, lightly sand the Romatop surface once it is fully dry to remove any ridges or marks from the squeegee. Mix one part Romatop to at least one part water and apply with a steel trowel while applying a good measure of pressure in order to skim the Romatop on the surface. For a more color variegated look, apply another coat with a higher dilution ratio once the preceding layer has fully dried. Never apply the Romatop in a thick layer. Different colors can be used to achieve an old world plaster look. The surface can be sanded with 320/800- mil sand paper to produce an elegant sheen, and to remove trowel marks if not desired. Allow a minimum cure of 12 hours before sanding. If the surface is to be saw cut, allow to cure for a minimum of 24 hours.

CURING

Do not water cure. Romatop is self curing. Apply water to the surface only if the final look requires such technique. RomaTop dries (to touch) in approximately 30 minutes. Horizontal surfaces can be opened to minimal traffic in 2 hours and opened to heavy traffic after 24 hours. Cooler temperatures may lengthen curing time.

SEALING

It is highly recommended to seal the surface of Romatop against staining and absorption, particularly on flooring applications. Use Romaseal products. RomaTop must be allowed to cure for a minimum of 24 hours before sealing. Lightly sanding the surface of Romatop is recommended prior to application of the sealer in order to enhance absorption and adhesion of the sealer coat. On heavy commercial applications, a regularly applied wax coat application is recommended for easy maintenance. Sealed surfaces should be inspected periodically for traffic-worn areas and re-sealed as necessary.

CLEANING

Clean all tools and equipment promptly with clean water. Use hot water if experience difficulty with cleaning.

STORAGE

Keep material covered to prevent exposure to moisture. Store in a dry area.

SAFETY PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. CONTAINS CEMENT AND SILICA (QUARTZ).

Portland cement and silica based products present health hazards. May cause delayed lung injury (silicosis). Irritating to eyes and skin. Use in adequate ventilation and do not breathe dust. Extremely fine material, always use a niosh/msha tc 21c approved dust mask when handling, especially during spray applications. Use neoprene gloves, safety goggles, and a dust mask when handling. First aid: eyes – do not rub eyes, immediately flush with fresh water. Skin – wash with soap and water. Inhalation – if experience difficulty breathing or if inhaled, move to fresh air. If symptoms persist, seek medical attention.

PACKAGING

25 kg and 35 kg bags.