



CONCRESEAL[®]

COSMETIC

COSMETIC MORTAR WITH VERY FINE TEXTURE FOR REPAIR AND SMOOTH FINISHING OF SURFACES UP TO 3 mm THICKNESS

DESCRIPTION

CONCRESEAL[®]COSMETIC is a polymer-modified and cement-based one-component mortar. It is specially designed for both superficial cosmetic repair and levelling of renders and concrete surfaces in very thin layers and feather edging, filling of cracks and honeycombs with a maximum thickness up to 3 mm.

APPLICATION FIELDS

- Cosmetic repair of deteriorated surfaces in concrete elements: honeycombs, small fissures and voids, unevenness, porosity, chipping, etc.
- Plastering and levelling of concrete surfaces, cement mortars, and brick/block masonry.
- Reprofiling of edges in concrete elements.
- Filling and levelling of honeycombs and non-active fissures on concrete surfaces and mortars before coating.

ADVANTAGES

- Only requires water for mixing.
- Good adhesion on all cement based surfaces.
- Its very high fine texture allows an exceptional finish leading a very smooth surface.
- Suitable for indoors and outdoors applications. Water and weathering resistant.
- Excellent workability and application. Applicable on vertical surfaces and ceilings.
- Excellent for surface preparation before applying mortars of **MAXSEAL[®]** range or decorative coatings of **MAXSHEEN[®]** range.
- Odourless and non-toxic.

APPLICATION INSTRUCTIONS

Surface preparation

The substrate to be repaired or levelled must be sound, clean and free from dirt. Use high-pressure water jet or steel wire brush to remove, remains of paints, gypsum, efflorescence, as well as form demoulding agents, curing agents or any product, which could affect the adhesion.

All cracks and fissures greater than 0,3 mm must be opened with a minimum width of 3 to 4 mm and a depth of at least 1 cm before filling.

In case of superficial non-structural steel elements are present, concrete around must be removed and the steel elements cut to a depth of 2 cm and finally, the opened area must be patched or repaired. In order to fill the area, use the **MAXREST[®]** (Technical Bulletin n° 4) structural repair mortar.

Mixing

A 22 kg bag of **CONCRESEAL[®] COSMETIC** requires from 8 to 9 litres (39 ± 2%) of clean water, depending on existing ambient conditions and desired consistency.

Pour the required amount of water in a clean container and then slowly add **CONCRESEAL[®] COSMETIC** to the liquid and mix, using a slow speed electric drill (400-600 rpm) fitted with a disc mixer for about 2-3 minutes until achieving a smooth, lump-free and homogeneous mortar of dry consistency. Do not mix for prolonged period, nor use high-speed mixer, which may introduce air bubble. Allow the mixture to rest for 2-3 minutes to fully wet out all the powder, and remix briefly before applying.

Mix only the amount of **CONCRESEAL[®] COSMETIC** that can be place in about 30 minutes (at 20 °C). After this time, mortar will have started its setting and will no longer be workable. When **CONCRESEAL[®] COSMETIC** losses its workability during application, remix it again but do not add water.

In order to get better adhesion and provide better curing for the mortar on very smooth and nonporous substrates, or high temperature conditions (>30 °C), use optionally a mixing liquid composed of **MAXCRYL[®]** and water (mixing ratio1:2).

Application

Dampen the surface to be repaired thoroughly with clean water in order to saturate it before applying **CONCRESEAL[®] COSMETIC**, but leave no free standing water.

CONCRESEAL[®] COSMETIC must be applied by trowel, brush or spatula. For large areas, it can be applied also by spray equipment. Apply mortar in layers with a maximum thickness up to 3 mm. For

thickness bigger than 3 mm, successive layers should be applied when the previous one is completely set, i.e., 24 h after the application of the first one, depending on the temperature.

If it is required, when **CONCRESEAL® COSMETIC** starts to set (from 1 to 3 hours, depending on ambient conditions) the surface can be finished with a sponge, wood or plastic float.

Application conditions

Do not apply **CONCRESEAL® COSMETIC**, if rain is expected within 24 h after the application.

The optimum temperature range for application is from 10 to 30 °C. Do not apply **CONCRESEAL® COSMETIC** below 5 °C or if such temperatures are expected within 24 hours after the application. Do not apply the mortar on frozen or frosted surfaces.

For applications with hot temperatures (>30 °C) and windy condition, i.e. summer time, the surface must be dampen with plenty of water, and use a mixing liquid composed of **MAXCRYL®** and water (mixing ratio1:2).

Curing

Prevent rapid drying for **CONCRESEAL® COSMETIC** application, and protect it from extreme heat (>30°C), wind and direct sunlight exposure to maintain its moisture for at least 24 hours after the application, spraying a fine mist of water, without causing the washing or by using polyethylene sheeting or damp burlaps. Avoid direct sun exposure extreme heat during the first 24 hours.

Observe a curing time of at least 7 days (20 °C and 50% relative humidity), before coating or applying other finishing. Lower temperatures and/or higher R.H. values will increase the curing time.

Cleaning

All tools and equipment should be cleaned immediately with water after use. Once it hardens, can only be removed by mechanical means.

CONSUMPTION

Estimated consumption for **CONCRESEAL® COSMETIC** is 1,5 kg/m²-mm, with a maximum thickness of 3,0 mm per layer.

These figures are for guidance only and may vary depending on porosity, texture and conditions for substrate, and application method. Perform a preliminary test on-site to ascertain the total consumption exactly under jobsite conditions.

IMPORTANT INDICATIONS

- Allow new concrete and mortars a curing time of 28 days before application.
- Do not apply on substrates vitrified or enamelled, or treated with water repellent agents. Do not apply on bituminous materials, metals, wood, plasters or paints.
- Do not add cements, additives, aggregates or other compounds.
- Use the recommended mixing ratios. Otherwise colour differences could appear in the coated surface.
- To keep the workability, remix the fresh mortar but never add more water. Do not mix more material than can be used within 30 minutes.
- Do not use leftovers from previous mixes.
- Observe recommended figures for consumption and thickness
- For best curing keep **CONCRESEAL® COSMETIC** moistened during the first 24 hours after application.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

CONCRESEAL® COSMETIC is supplied in 22 kg bags. It is available in grey and white colour.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from humidity and freezing, and away from direct exposure to sunlight at temperatures above 5 °C.

SAFETY AND HEALTH

CONCRESEAL® COSMETIC is not a toxic product but is an abrasive composition. Avoid direct contact with skin and eyes, and breathing dust. Use rubber gloves and safety goggles during application. In case of skin contact, wash affected area with soap and water.

In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **CONCRESEAL® COSMETIC**.

Disposal of the product and its packaging must be carried out according to the current official regulations and it is the responsibility of the final user of the product.

TECHNICAL DATA

Product characteristics	
General appearance and colour	White or grey powder
Maximum aggregate size, (mm)	0,1
Density for powder, (g/cm ³)	0,85 ± 0,10
Mixing water, (% by weight)	39 ± 2
Application and curing conditions	
Minimum application temperature for substrate and ambient, (°C)	> 5
Pot life at 20 °C & 50 % R.H., (min)	30
Initial / Final setting time at 20 °C & 50 % R.H., (h)	1 – 2 / 3 – 4
Curing time at 20 °C & 50 % R.H., (d)	7
Cured product characteristics	
Compressive strength at 7/28 days, EN 1015-11 (MPa)	12,5 / 20,5
Flexural strength at 7/28 days, EN 1015-11 (MPa)	2,5 / 3,5
Adhesion on concrete, EN 1012 (MPa)	> 0,8
Reaction to fire, EN 13501-1 (Euroclass)	A1
Thickness / Consumption*	
Thickness per layer (mm)	0 – 3,0
Consumption (kg/m ² ·mm thickness)	1,5

* These figures are for guidance only and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to ascertain the total consumption exactly.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO[®], S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



DRIZORO, S.A.U.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13
e-mail: info@drizoro.com Web site: drizoro.com

ISO 9001
ISO 14001

BUREAU VERITAS
Certification



ES045396-1/ES045397-1