

Microcement and resin system for the creation of vertical and horizontal seamless surfaces. CE-marked according to UNI EN ISO 13813 *Materials for screeds: properties and requirements* and HACCP-certified for the use in high hygiene environments such as food rooms. Dynamic friction coefficient compliant to Italian regulation D.M. no. 236.

CHARACTERISTICS:

CREATIVO® is the ideal system for the creation of seamless luxury surfaces with an innovative design. It is highly suitable for the finishing of vertical and horizontal surfaces, both indoor and outdoor such as: walls and floors in both residential, commercial and industrial buildings. It is particularly indicated for use in hospitals and clinics, food rooms, retail shops, showrooms, malls. It is also ideal for the decoration and renovation of bathroom, shower rooms, radiant floors, furniture, tables and countertops.

CREATIVO® is a high-performance system which guarantees excellent bond with the substrate, flexibility, resistance to compression, bumps, traction, frictions and scratches. It is resistant to alkaline detergents; acids and the most common general detergents use in private and professional cleaning. **CREATIVO®** is HACCP-certified for use in food rooms and is CE-marked according to UNI EN 13813. **CREATIVO®** has also obtained **Bfl-s1** classification according to the **norm UNI EN 13501-1: 2009** for reaction to fire.

CREATIVO® is a practical, sustainable and easy system in Urban Regeneration, as:

- it is easy to apply thanks to a minimal DFT (total system thickness around 2-3 mm), thus allowing to save the cost of adapting the interior fittings (doors, windows) to the new flooring system.
- it is sustainable and eco-friendly as it is applied directly on screed and/or ceramic surfaces avoiding their removal and disposal.
- it is formulated with raw material that have the lowest impact on the environment and is compliant with the regulations for the attainment of credits according to **LEED** and **GBC** certifications.
- it is 100% Made in Italy. **CREATIVO®** combines high quality and an innovative design to offer maximum protection, safety and living comfort.
- Does not release any harmful emission and obtained the "A+" classification (the best according to French regulation for VOC indoor emissions).

CREATIVO® has low water absorption and medium vapour permeability properties. The high mechanical resistances allow the use of trolleys and carts on it, but we do not recommend to expose **CREATIVO®** floor to high friction abrasive actions. **CREATIVO®** has a high degree of skid resistance, with a dynamic friction coefficient, both in wet and dry conditions, within the requirements of **Italian Ministry Regulation 1989 no. 236**. In wet conditions, the floor will anyway be more slippery.

CREATIVO® is available in an endless range of colours easily achievable with **COLORPLUS® EVOLUTION** tinting system: select the right colour for your environment from **Armonie d'Interni** colour card. In the **CREATIVO** range you can also find **CREATIVO® ROCK** and **CREATIVO® SALE E PEPE** (salt & pepper): two types of **FINITURA** with a selected grain size and special aggregates that give to each finish its unique look.

USE:

CREATIVO® can be applied on cement screeds, ceramic surfaces, porcelain, mosaics, concrete, plasters, renders, gypsum and plasterboards, epoxy coatings, polyurethane coatings, organic surfaces or natural inorganic ones if well sound. This makes **CREATIVO®** system ideal for new floorings or renovation and home makeovers without the need to scrap the existing flooring, thus making it cost and time efficient.

CREATIVO® finds its ideal use in private residential projects, apartments, villas, public spaces such as retail shops, showrooms, offices, hotels, restaurants, coffee shops, clubs, shopping malls, clinics, hospitals, shop floors, industrial buildings, food activities and wherever the aim is to get an exclusive, innovative, fashionable or natural concrete look, *Tadelakt* or *Coccio Pesto* design. It can also be applied outside or in kitchens, bathrooms and showers. Prolonged direct contact with water and water stagnating areas could cause, in time, shades. It is therefore necessary to create the right slope to allow the correct flow of water.

SYSTEM COMPOSITION:

CREATIVO® system is composed by the following products:

- **CREATIVO® FONDO:** microfibrated mortar in paste composed of coarse mineral aggregates, resins and special additives to improve performances and application. **CREATIVO® FONDO** has to be mixed with **CREATIVO® MICROCEMENTO** (ratio 2:1) before application. Grain size of **CREATIVO® FONDO** is 0.5 mm and serves as the system ground coat, but can also be used as a finishing coat in case a highly textured design wants to be achieved. In this case, **CREATIVO® FONDO** can be coloured with the tinting machine in the desired colour available with the **COLORPLUS®** tinting system.

PLEASE NOTE: We recommend to pay attention and strictly follow the mixing ratio of **CREATIVO® MICROCEMENTO** and **CREATIVO® FONDO**, especially when only a partial quantity and not the full drum is used and/or when **CREATIVO® FONDO** is coloured.

- **CREATIVO® FINITURA:** microfibrated mortar in paste composed of fine mineral aggregates, resins and special additives to improve performances and application. **CREATIVO® FINITURA** has to be mixed with **CREATIVO® MICROCEMENTO** (ratio 2:1) before application. Grain size of **CREATIVO® FINITURA** is 0.3 mm and it is designed to be used as a finishing coat in the desired colour obtained with the **COLORPLUS®** tinting system.

PLEASE NOTE: We recommend to pay attention and strictly follow the mixing ratio of **CREATIVO® MICROCEMENTO** and **CREATIVO® FINITURA**, especially when only a partial quantity and not the full drum is used and/or when **CREATIVO® FINITURA** is coloured.

CREATIVO® MICROCEMENTO: powder-based additive for **CREATIVO® FONDO**, **CREATIVO® FINITURA**, **CREATIVO® ROCK** and **CREATIVO® SALE E PEPE** based on special 525 micronized white cement and

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special additives to improve application and guarantee high resistance and flexibility performances. **CREATIVO® MICROCEMENTO** has to be mixed directly with **CREATIVO® FONDO** or **FINITURA** and mixed with a drill for at least 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Leave the mix to settle a few minutes and proceed with application. Pot life of the two components, once mixed, is 1 hour, do not use the mixture after this time, do not add water, cement or aggregates as it will affect negatively the correct balance of the mix that will lead to a decrease of physical and mechanical performances.

- **CREATIVO® PRIMER:** acrylic microemulsion, with high penetrating and consolidating characteristics. Ideal to reduce absorbency of **CREATIVO® TOP**.
- **CREATIVO® TOP:** Water based two component polyurethane transparent protective top coat, **HACCP** certified for the use in environments with foods or where high hygiene is required. **CREATIVO® TOP** is available with **GLOSSY (LUCIDO)**, **SATIN (SATINATO)** and **MATT (OPACO)** finish. **CREATIVO® TOP** has to be catalyzed with component B 20% of weight ratio (1 kg component A + 0.2 kg component B). Mix well component A before adding component B. Pot-life of the mixed product is 1 hour, do not use it after. **CREATIVO® TOP** has an aliphatic nature, therefore it does not turn yellow and is UV-resistant. 80% of the physical and chemical resistances are developed after 3 days. Full mechanical and chemical performance are achieved after 7 days from application. Environment conditions (temperature, humidity) can affect drying and curing time.
- **CREATIVO® SALE E PEPE:** special off-white finish coat with salt & pepper effect. Mortar in paste composed of resins, white and black mineral aggregates of selected grain size and special additives to improve application and performance. **CREATIVO® SALE E PEPE** is mixed with **CREATIVO® MICROCEMENTO** in a 2:1 ratio in weight before application. It has a max grain size of 0.5 mm and is used as a finish coat applied in one coat only. **PLEASE NOTE:** strictly follow the mixing ratio of **CREATIVO® MICROCEMENTO** and **CREATIVO® SALE E PEPE**, especially when only a partial quantity and not the full drum is used.
- **CREATIVO® ROCK:** special rock effect finish coat. Mortar in paste composed of resins, mineral aggregates of selected grain size and special additives to improve application and performance. **CREATIVO® ROCK** is mixed with **CREATIVO® MICROCEMENTO** in a 2:1 ratio in weight before application. It has a max grain size of 0.5 mm and is used as a finish coat applied in one coat only. **PLEASE NOTE:** strictly follow the mixing ratio of **CREATIVO® MICROCEMENTO** and **CREATIVO® ROCK**, especially when only a partial quantity and not the full drum is used.

Considering the nature of the products and the complexity of the system, we recommend that it should be applied by qualified personnel, with specific training delivered by **CREATIVO® ACADEMY**.

SURFACE PREPARATION:

Surfaces need to be compact, sound, dry, solid, clean, free from dust, grease, oil, waxes, sealers, silicone compounds or any other item that might affect adhesion of the system. Old paint and filming agents, not perfectly compact and adherent to the substrate, needs to be removed. In case the

substrate is not solid, sound and compact, apply a consolidating coat of **CREATIVO® PRIMER**. In case of exterior dusty and non-solid substrates, apply a 1st coat of **RESINPOL** instead. Carefully evaluate substrate condition after consolidation process before moving to the next step.

Missing parts, holes, cracks or damages, need to be repaired with specific restoration mortars. The repaired areas should be cured correctly according to the nature and thickness of the product applied. In case of rising damp and moisture above 4%, in the basement, on the ground floor, in the shower, in exterior floors and wherever there is possibility of future water infiltration, it is necessary to apply **CREATIVO® BARRIERA moisture barrier**. **CREATIVO®** has an excellent adhesion on wood, but we don't recommend application on parquet to avoid that the movement of the latter and the different elastic module affect the finish over time. It is therefore recommended to remove it. On glossy and particularly smooth substrates perform a light shot blasting or grinding to improve adhesion of **CREATIVO®**. As an alternative, it is also possible to apply one coat of **CREATIVO® GRIP** by roller. **CREATIVO® GRIP** is a ready to use water-based primer with 0.25 mm grain size specifically designed to be an adhesion promoter on non-absorbent difficult substrates. Observe the consumption rate of 0.1-0.15 kg/m² and wait until the substrate is fully dry to proceed with the application of **CREATIVO®**. **On ceramic or porcelain tiles**, we recommend to make sure to carefully clean the grout joints in order to remove dirt, waxes, oil, grease or any substance that might compromise the adhesion of the system and/or migrate to the system overtime. In such cases, we recommend application of **CREATIVO® BARRIERA**, as superficial cleaning may be quite easy, but it more complicated to clean the grout joints in depth. If any staining substance is left in the joints, it might resurface in the system, showing the pattern of the below joints in the microcement. **CREATIVO® BARRIERA** also prevents the resurfacing along the grout joints of moisture and condensation in the screed caused by the different substrates (tile/grout joint).

Control joints needs to stay free to absorb potential structural movement. In case of **radiant floor heating**, make sure that thermal shock test has been performed before application of **CREATIVO®** system, and won't be performed subsequently to its application. For renovation of radiant floors covered by ceramic tiles, it is necessary to apply **CREATIVO® BARRIERA** first. The heating system has to be switched off 4 days before starting application and can be turned on again after 7 days from completion of the full system.

In case of surfaces with the possibility of extended water stagnation as shower trays, outdoor floors, etc. a suitable slope needs to be considered (at least 1 cm per linear meter) to avoid that the prolonged contact affects the aesthetic finish.

HOW TO APPLY:

• 1st COAT

Mix well 2 parts (in weight) of **CREATIVO® FONDO** with 1 part of **CREATIVO® MICROCEMENTO** with a high-speed mixing drill for minimum 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Leave the mix to settle a few minutes and proceed with application. Pot life of the two components, once mixed, is 1 hour, don't use the mixture after this time, do not try to re-activate it by adding water as the cement curing process has already started. Mix only the material that will be used. Apply the product by stainless steel trowel trying to avoid very thick layers per single coat. After at least 8 hours sand manually or by sanding machine any imperfection, using 60G sandpaper

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and vacuum the dust. When dealing with wide areas, tiles with joints larger than 3 mm, surfaces with static micro-cracks (not dynamic ones!) it is necessary to include an 80-90 gr/m² fiberglass mesh, sinking it in the 1st coat of **CREATIVO® FONDO**. The various portions of the mesh must be placed side by side and not overlapped and then completely covered with the second coat of **CREATIVO® FONDO**. When applying the fiberglass mesh, consumption rate of **CREATIVO® FONDO** will be 1.2 – 1.3 kg/m² and there will be no sanding between first and second coat. On surfaces with micro-cracks (non-dynamic) it also necessary to apply a fiberglass mesh following above procedure. We recommend the use of shoe covers during all the operations to avoid dirtying the surfaces. Do not wet the surface until full complexion of the system: stains or spots will affect the final result.

• 2nd COAT

Apply the second coat in the same way. After at least 8 hours sand manually or by sanding machine any imperfection, use 60G sandpaper and vacuum the dust.

• 3rd COAT

Mix **CREATIVO® FINITURA**, coloured in the desired shade, with **CREATIVO® MICROCEMENTO**, using the same method as in the first and second coat. Apply with special tool **CREATIVO® RED SPATULA** made with an extra thin stainless-steel blade. The use of a trowel with a stiff blade can develop black marks on the finish. After 8 hours sand manually or by sanding machine any imperfection, using 120G sandpaper and vacuum the dust.

• 4th COAT

Apply the second coat of **CREATIVO® FINITURA** in the same way as the first and design the surface with the specific technique. After at least 8 hours sand and vacuum the surface.

• Application of **CREATIVO® PRIMER**

Apply one coat of **CREATIVO® PRIMER**, ready to use, by roller, in order to reduce the absorbency of **CREATIVO® TOP**. Wait at least 4 hours for the coat to dry.

• Application of **CREATIVO® TOP**

Mix carefully **COMPONENT A** before use, add **COMPONENT B** (catalysis ratio: 1kg A + 0,2 kg B), mix well and apply with specific **CREATIVO® MOHAIR ROLLER** taking care of applying homogeneously the product without leaving any excess material and paying attention to corners, edges and drains. First coat can be diluted up to 10% with water. After about 6 hours, and no later than 24 hours from the first coat, apply a second one with the same method, diluting 0-5% with water. In case over 24 hours have passed, it is necessary to sand the surface with thin grit sandpaper (250G and over) and vacuum before proceeding to the next coat. For floors in high-traffic areas, or wherever special resistance to water, dirt and/or abrasion is required, we recommend application of both coats of **CREATIVO TOP** with double quantity of catalyst (two Components B for each Component A). When protecting shower rooms and when using it in exterior apply a third coat of **CREATIVO® TOP** with a double amount of catalyst (1 pack of Component A + 2 packs of Component B). Satin and matt water-based PU resins are notoriously difficult to apply, in order to reduce the risk of visible roller marks, we recommend to apply the first coat of **CREATIVO® TOP LUCIDO** (glossy) and second coat apply **CREATIVO® TOP SATINATO** (satin) or **OPACO** (matt) abundantly spreading the material with a roller and crossing the roller strokes. Then use a new roller to go over the floor again following the same direction, fresh on fresh.

Wait at least 24 hours from the last coat before walking on the surface, avoid any heavy movement, abrasive action, deposit of dirt, moist, oily and staining substance. Wait at least 7 days for full curing of the film, the minimum time for the surface to achieve good skid, abrasion and dirt resistance.

Environment temperature and humidity can affect drying and filming times.

Wash well the tools with water after use.

“LUXURY HOME DECORATION” SYSTEMS:

The above is the standard application system for new and old floorings and walls with ceramic tiles. Please note that in presence of rising damp it is necessary to apply the moisture barrier. In order to achieve a smoky concrete look, it is simply necessary to sand off all crests and sand **CREATIVO® FINITURA** well. In case of application on vertical surfaces on plaster, gypsum boards, plaster boards or paint (if well adherent, solid and with no dust), it is possible to apply only 1 coat of **CREATIVO® FONDO**, or apply **SMARTCOAT medium grain 0.4mm** instead and then proceed **CREATIVO® FINITURA**. Highly textured effects can be created by different techniques. To obtain a rustic textured effect it is possible to substitute the 2 coats of **CREATIVO® FINITURA** with one coat of **CREATIVO® FONDO**, as the two products have the same resistance to compression and flexibility performances and both can be tinted with the tinting machine.

To achieve the Salt & Pepper effect, instead of 2 coats of **CREATIVO® FINITURA**, apply 1 coat of **CREATIVO® SALE & PEPE**. In order to achieve the Rock effect, apply 1 coat of **CREATIVO® ROCK**, instead of 2 coats of **CREATIVO® FINITURA**.

It is also possible to apply the decorative finishes from **MP STILE ITALIANO** collection instead of **CREATIVO® PRIMER** to obtain a special unique effect. The following products can be used: **RIFLESSI DI LUNA, VELI D'ORIENTE, ANTICA PATINATURA, ART METAL, GLAMOUR, TENDENZE**. Contact our technical service to evaluate its use according to the surface location. Subsequent application of **CREATIVO® TOP** must be done after at least 6-8 hours from the application of the decorative paint. It is possible to add **STELLE** to the first coat of **CREATIVO® TOP** to obtain a glittery finish.

CLEANING AND MAINTENANCE:

The data relative to resistance to compression and flexibility indicated in the *Technical Data* section refer to the system after 28 days from full system application as required from UNI EN ISO 13813 standard. The support bases of the furnishing elements must be sufficiently wide so as not to have an excessive punctual load. When moving furniture, avoid dragging it, but lift it instead.

During **HACCP** tests, **CREATIVO®** proved to have excellent resistances to alkaline and acid detergents. For general maintenance we recommend to clean the surface with a neutral detergent. Do not use a vapour steam cleaner.

It is possible to use cleaning machines for professional use only if without abrasive brushes. **Wait 7 days before cleaning the surface for the first time. Remove any aggressive substance from surface treated with CREATIVO® TOP in 2 coats within 2 hours from deposit and CREATIVO® TOP in 3 coats within 4 – 6 hours from deposit.** This, in order to prevent absorption of the aggressive substance by the film through prolonged contact which might deteriorate its appearance irrevocably. For further information check out **0896 CREATIVO® MICROCEMENTO_Floor Cleaning Protocol**.

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Do not cover the floor with carpets as condensation and consequent deterioration of the finish might develop over time. In case of application on counter tops and tables, avoid direct contact with hot pots and other particularly warm objects. Touch ups and maintenance could lead to joint lines. We recommend to perform the touch up activity until an architectural barrier is met or perform a decorative finish that can hide the joint. In case the touch up has to be performed on **CREATIVO® TOP** only, sand and vacuum the surface before activity. Floorings made with **CREATIVO®**, as with similar systems, have higher mechanical and chemical resistances compared to wood floorings, but lower than porcelain tiles.

IMPORTANT NOTES:

- Before application, ensure that the surface is perfectly dry and hardened, and that it has good adherence to the supporting substrate. It must be clean and free from oil, grease, mould, fungus, bacteria, efflorescence or any other defect that could impair adherence or successful results.
- Expansion and dynamic joints must not be covered by **CREATIVO®**, they need to stay free to absorb structural movements.
- Do not apply on surfaces subject to structural dynamic movements.
- Despite the high certified mechanical resistance of the **CREATIVO®** system, to avoid damage and deterioration of the surfaces, avoid loading and/or handling furniture,

appliances, machinery or equipment that could generate an excessive weight load on a limited surface (excessive punctual load).

- Protect containers from freezing temperatures (minimum + 5° C).
- Store in a cool, dry place; do not expose to direct sunlight.
- The temperature of both the work environment and substrate should be between + 8° C and + 30° C. Relative humidity must not exceed 75%.
- Avoid curing with temperatures of environments and substrate below +5°C.
- Do not use the product when there is the likelihood of rain, in direct sunlight, strong winds, or persistent fog.
- Protect the treated surfaces from driving rain for as long as necessary for the complete curing of the product.
- Arrange the scaffolds in such a way as to allow continuous application until architectural interruptions to avoid the formation of joints, overflows and colour differences.
- Obtain enough of the colour in a single batch to complete the job or at least complete portions of work which do not draw attention to shade differences.
- Due to the complexity of the system and its possible application, please contact our Technical Team for any clarification

The above information has been obtained from scrupulously controlled tests, and represents our best and most recent knowledge. This information is provided for reference purposes only. It is not binding upon the manufacturer, and neither may it constitute grounds for any kind of complaint whatsoever associated with the use of the products described, also considering that the conditions of use are beyond our control.

TECHNICAL DATA:

TEST	TEST METHOD	MEASURED VALUE		
		PRODUCT	FORM	PACKAGES
Product form and packing size		Creativo® Fondo	paste	10 kg 4 kg
		Creativo® Finitura / Sale & Pepe / Rock	paste	10 kg 4 kg
		Creativo® Microcemento	powder	5 kg 2 kg
		SMART COAT gr. media 0,4 mm	paste	4 l 1 l
		Creativo® Primer	liquid	5 l 1 l
		Creativo® TOP comp. A Lucido / Glossy	liquid	2.5 kg 1 kg
		Creativo® TOP comp. A Satinato / Satin	liquid	2.5 kg 1 kg
		Creativo® TOP comp. A Opaco / Matt	liquid	2.5 kg 1 kg
		Creativo® TOP Comp.B	liquid	0.5 kg 0.2 kg
Consumption rate (per coat)		Creativo® Fondo/ Sale & Pepe / Rock + Microcemento		1 kg/m ²
		Creativo® Finitura+ Microcemento		0.5 kg/m ²
		SMARTCOAT gr. media 0,4 mm		0.125 -0.200 l/m ²
		Creativo® Primer		0.08 l/m ²
		Creativo® TOP (A+B)		0.07 kg/m ²
Density	UNI EN ISO 2811-1:2003	Creativo® Fondo		1.45 ± 0.10 Kg/l
		Creativo® Finitura / Sale & Pepe / Rock		1.45 ± 0.10 Kg/l
		SMART COAT gr. media 0,4 mm		1.25 ± 0.10 Kg/l
		Creativo® Primer		1.02 ± 0.05 Kg/l
		Creativo® TOP comp. A Lucido / Glossy		1.02 ± 0.05 Kg/l
		Creativo® TOP comp. A Satinato / Satin		1.05 ± 0.05 Kg/l
		Creativo® TOP comp. A Opaco / Matt		1.05 ± 0.05 Kg/l
		Creativo® TOP Comp.B		1.15 ± 0.05 Kg/l
Grain Size		Creativo® Fondo/ Sale & Pepe / Rock		0.5 mm
		Creativo® Finitura		0.3 mm
		SMARTCOAT GM 0.4 mm		0.4 mm
Gloss	UNI EN ISO 2813:2002	Creativo® TOP comp. A Lucido / Glossy		80±5 Gloss at 60°
		Creativo® TOP comp. A Satinato / Satin		22±5 Gloss at 85°
		Creativo® TOP comp. A Opaco / Matt		9±5 Gloss at 85°

TEST	TEST METHOD	MEASURED VALUE	
pH		Creativo® Fondo	7.5 ± 0.5
		Creativo® Finitura	7.5 ± 0.5
		SMARTCOAT GM 0.4 mm	8.5 ± 0.5
		Creativo® Primer	7.5 ± 0.5
		Creativo® TOP comp. A Lucido / Gloss	7.5 ± 0.5
		Creativo® TOP comp. A Satinato / Satin	7.5 ± 0.5
		Creativo® TOP comp. A Opaco / Matt	7.5 ± 0.5
Liquid water permeability	UNI EN 1062-3:2008	W=0.004±0.001kg/kg/(m ² h ^{0.5}) Class W ₃ Low permeability	
Water-vapour transmission rate	UNI EN ISO 7783:2012	Sd=0.6007±0.1261 m μ=400 Class V ₂ - Medium permeability	
Resistance to abrasion. Rotating abrasive rubber wheel method	UNI EN ISO 7784-2:2006	Loss in mass (mg) 61.77±12.35 Creativo TOP Lucido / Glossy 75.27±15.05 Creativo TOP Opaco / Matt	

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Determination of emissions of volatile organic compounds Total VOC	EN ISO 16000	
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UNI EN 13813 TESTS

TEST	TEST METHOD	MEASURED VALUE	REQUIRED VALUE	RESULT
Flexural strength	UNI EN 13892-2	Creativo Fondo F7 Creativo Finitura F7	≥ F1	PASS
Compressive strength	UNI EN 13892-2	Creativo Fondo C25 Creativo Finitura C25	≥ C5	PASS
Wear resistance-BCA	UNI EN 13892-4	AR0.5	≤ AR6 for cement screeds ≤ AR1 resin based screeds	PASS
Bond strength	UNI EN 13892-8	0.8 N/mm ² = B0.5	No limit	

UNI 11021:2002 TESTS

RIF	Description	Method	Measure	Limit value	Result
Essential Requirements					
7.1	Dirt pick-up	UNI 10792	ΔL = 0.10	ΔL ≤ 3.0	PASS
7.2	Smell	Appendix A	0	≤ 1.0	PASS
Specific Requirements					
8.1	Washability	UNI EN ISO 11998	Ldft = 0.01μm	Ldft ≤ 5μm	PASS
8.3	Resistance to the mould	Appendix C	0	≤ 1	PASS
8.4	Resistance to special cleaning agents - Detergent B (alkaline degreasing agent)	UNI EN ISO 2812-1	No alteration	No alteration	PASS
8.4	Resistance to special cleaning agents - Detergent C (acid washing agent)	UNI EN ISO 2812-1	No alteration	No alteration	PASS
8.4	Resistance to special cleaning agents - Detergent D (disinfecting)	UNI EN ISO 2812-1	No alteration	No alteration	PASS

D.M. 14/06/1989 n.236 TESTS – B.C.R.A. Method

Description	MEAN OF FRICTION COEFFICIENT REGISTERED VALUES	REQUIRED VALUE	RESULT
Leather on dry surface	μ = 0.56	μ > 0.40	COMPLIANT
Rubber on wet surface	μ = 0.78	μ > 0.40	COMPLIANT

Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

Creativo® Fondo:

I) Decorative effect coatings;
Limit Phase II (from 01/01/ 2010) = 200 g/l
Max VOC in mixture: 19 g/l

**Creativo® Finitura/
Sale & Pepe / Rock:**

I) Decorative effect coatings;
Limit Phase II (from 01/01/ 2010) = 200 g/l
Max VOC in mixture: 19 g/l

SMARTCOAT GM 0.4 mm:

C) Exterior walls of mineral substrate;
Limit Phase II (from 01/01/ 2010) = 40 g/l
Max VOC in mixture: 10 g/l

Creativo® Primer:

G) Primer;
Limit Phase II (from 01/01/ 2010) = 30 g/l
Max VOC in mixture: 13 g/l

Creativo® TOP A+B:

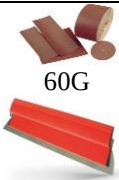
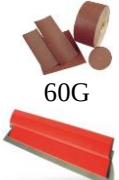
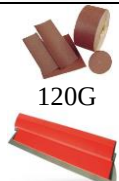
J) Two-pack reactive performance coatings for specific end use such as floors
Limit Phase II (from 01/01/ 2010) 140 g/l
Max VOC in mixture (COMPONENT A): 25 g/l
Max VOC in mixture (COMPONENT B): 9 g/l
Max VOC in mixture (COMPONENT A + COMPONENT B): 19 g/l

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Via G. Pastore, 2 (Z.A. Viserba) 47922 – Rimini (Italia)
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SUMMARY TABLE OF CREATIVO® SYSTEM TIMING

System	Ratio	Pot Life	Waiting time before next coat	Tool
Creativo® Fondo + Creativo® Microcemento	2 part + 1 part	1 h	> 8 h	
Creativo® Fondo + Creativo® Microcemento	2 part + 1 part	1 h	> 8 h	
Creativo® Sale & Pepe e Creativo® Rock + Creativo® Microcemento	2 part + 1 part	1 h	> 8 h	
SMARTCOAT GM 0.4 MM (only on vertical surfaces on plasters, plasterboards or paint if well sound, solid and adherent, without application of 2 coats of Creativo® Fondo + Creativo® Microcemento)	Dilute with water: 5 – 10 %	-	> 4 h	
Creativo® Finitura + Creativo® Microcemento	2 part + 1 part	1 h	> 8 h	
Creativo® Finitura + Creativo® Microcemento	2 part + 1 part	1 h	> 8 h	
Creativo® Primer	Ready to use	-	> 4 h	
Creativo® Top (A+B)	1 part + 0.2 parts or 1 part + 0.4 parts*	1 h	> 6h < 24h	
Creativo® Top (A+B)	1 part + 0.2 parts or 1 part + 0.4 parts*	1 h	24h - walkable 7 days - cleaning	

* Double catalysis on high-traffic areas, or wherever special resistance to water, dirt and / or abrasion is required

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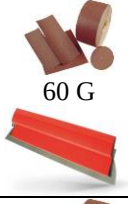
PACKAGES AND CONSUMPTION RATES OF CREATIVO® MICROCEMENTO SYSTEM

Packages of **CREATIVO® FONDO** and **CREATIVO® FINITURA** are designed to fit **CREATIVO® MICROCEMENTO** for mixing.

PRODUCT	PACK	u.m.	Consumption per coat per m²	N° of Coats: Indoor horizontal surfaces	N° of Coats: Outdoor horizontal surfaces and indoor water stagnating areas	N° of Coats: Vertical surfaces	Coverage (m²) of 1 pack per coat
CREATIVO							
Creativo® Fondo 10 kg + Creativo® Microcimento 5 kg	15	kg	1	2	2	1	15
Creativo® Fondo 4 kg + Creativo® Microcimento 2 kg	6	kg					6
Creativo® Finitura 10 kg + Creativo® Microcimento 5 kg	15	kg	0,5	2	2	2	30
Creativo® Finitura 4 kg + Creativo® Microcimento 2 kg	6	kg					12
Creativo® Primer	1	l	0,08	1	1	1	12,5
Creativo® TOP Lucido/Satinato/Opaco comp. A 2,50 kg + comp. B 0,5 kg	3	kg	0,07	2	See point below*	2	43
Creativo® TOP Lucido/Satinato/Opaco comp. A 1 kg + comp. B 0,2 kg	1,2	kg					17
*Creativo® TOP Lucido/Satinato/Opaco comp. A 2,50 kg + 2 comp. B 0,5 kg	3,5	kg	0,07	2	3	/	43
*Creativo® TOP Lucido/Satinato/Opaco comp. A 1 kg + 2 comp. B 0,2 kg	1,4	kg					17

* *Double catalysis on high-traffic areas, or wherever special resistance to water, dirt and / or abrasion is required*

SUMMARY TABLE OF CREATIVO® SALE&PEPE AND ROCK SYSTEMS TIMING

System	Ratio	Pot life	Waiting time before next coat	Tool
Creativo® Fondo + Creativo® Microcimento	2 parts + 1 part	1 h	> 8 h	
Creativo® Fondo + Creativo® Microcimento	2 parts + 1 part	1 h	> 8 h	
Creativo® Sale e Pepe or Creativo® Rock + Creativo® Microcimento	2 parts + 1 part	1 h	> 8 h	
Creativo® Primer	Ready to use	-	> 4 h	

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Creativo® Top (A+B)	1 part + 0.2 parts or *1 part + 0.4 parts	1 h	> 6h < 24h	
Creativo® Top (A+B)	1 part + 0.2 parts or *1 part + 0.4 parts	1 h	24h - walkable 7 days - cleaning	

*** Double catalysis on high-traffic areas, or wherever special resistance to water, dirt and / or abrasion is required**

PACKAGES AND CONSUMPTION RATES OF CREATIVO® SALE & PEPE AND ROCK SYSTEM

Packages of **CREATIVO® SALE & PEPE** and **CREATIVO® ROCK** are designed to fit **CREATIVO® MICROCEMENTO** for mixing.

PRODUCT	PACK	u.m.	Consumption per coat per m²	N° of Coats: Indoor horizontal surfaces	N° of Coats: Outdoor horizontal surfaces and indoor water stagnating areas	N° of Coats: Vertical surfaces	Coverage (m²) of 1 pack per coat
CREATIVO							
Creativo® Fondo 10 kg + Creativo® Microcemento 5 kg	15	kg	1	2	2	1	15
Creativo® Fondo 4 kg + Creativo® Microcemento 2 kg	6	kg					6
Creativo® Sale & Pepe / Rock 10 kg + Creativo® Microcemento 5 kg	15	kg	1	1	1	1	15
Creativo® Sale & Pepe / Rock 4 kg + Creativo® Microcemento 2 kg	6	kg					6
Creativo® Primer	1	l	0,08	1	1	1	12,5
Creativo® TOP Lucido/Satinato/Opaco comp. A 2,50 kg + comp. B 0,5 kg	3	kg	0,07	2	See point below*	2	43
Creativo® TOP Lucido/Satinato/Opaco comp. A 1 kg + comp. B 0,2 kg	1,2	kg					17
*Creativo® TOP Lucido/Satinato/Opaco comp. A 2,50 kg + 2 comp. B 0,5 kg	3,5	kg	0,07	2	3	/	43
*Creativo® TOP Lucido/Satinato/Opaco comp. A 1 kg + 2 comp. B 0,2 kg	1,4	kg					17

*** Double catalysis on high-traffic areas, or wherever special resistance to water, dirt and / or abrasion is required**

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METHOD STATEMENT: **Item 0896 CREATIVO®**

Method statement of resin and microcement system **CREATIVO®** for the creation of vertical and horizontal seamless surfaces. CE marked according to **UNI EN ISO 13813** "Materials for screeds: proprieties and requirements" and **HACCP certified for the use in high hygiene environments** such as food rooms. **Dynamic friction coefficient compliant** to Italian regulation **D.M. no. 236**.

ON OLD AND NEW FLOORINGS AND ON VERTICAL SURFACES WITH EXISTING CERAMIC COVERING.

Before application on a new screed, let the screed cure according to manufacturer's recommendation and for no less than 28 days before applying CREATIVO® system.

Missing parts, holes, cracks or damages, need to be repaired with specific restoration mortars. The repaired areas should be cured correctly according to the nature of the thickness and product applied.

Surfaces need to be compact, sound, dry, solid, clean, free from dust, grease, oil, waxes, sealers, silicone compounds or any other item that might affect adhesion of the system.

In case the substrate is not solid, sound and compact, a consolidating coat of **CREATIVO® PRIMER** should be applied. In case of exterior dusty and not solid substrates, consolidate with **RESINPOL** diluted with paint thinner or synthetic thinner 20-30%.

In case of rising damp (above 4%) apply **CREATIVO® BARRIERA** moisture barrier.

On high-gloss and smooth substrates it's compulsory to perform a light shot blasting or grinding to improve adhesion of **CREATIVO®** or apply a coat of **CREATIVO® GRIP**, water-based structuring adhesion promoter primer for difficult substrates. **CREATIVO® GRIP** is applied by roller with consumption rate of 0.1 – 0.15 kg/m². Wait for the surface to be fully dry before proceeding with the application of **CREATIVO®** system. Any dynamic joint element needs to stay free to absorb structural movements. In case of surfaces with the possibility of extended water stagnation as shower trays, tubs or outdoor floorings, a suitable slope needs to be considered (at least 1 cm per linear meter).

- Mix well 2 parts (in weight) of **CREATIVO® FONDO** with 1 part of **CREATIVO® MICROCEMENTO** with a mixing drill for minimum 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Leave the mix to settle a few minutes and proceed with application. Apply **1st coat** of **CREATIVO® FONDO + CREATIVO® MICROCEMENTO** by stainless steel spatula. After at least 8 hours sand manually or by sanding machine any imperfection, using 60G sandpaper and vacuum the dust. When dealing with very big areas, it is possible to include a fiberglass mesh, 80-90 gr/m², sinking it during the first coat.
- Application of **2nd coat** of **CREATIVO® FONDO + CREATIVO® MICROCEMENTO** by stainless steel spatula using same method as before, after at least 8 hours sand manually or by sanding machine any imperfection, use 60G sandpaper and vacuum the dust.
- Mix 2 parts (in weight) of **CREATIVO® FINITURA**, coloured in the desired shade, with 1 part of **CREATIVO® MICROCEMENTO**, using the same method as in the first and second coat. Apply the **3rd coat** with special tool **SPATOLA CREATIVO®**. After 8 hours sand manually or by sanding machine any imperfection, using 120G sandpaper and vacuum the dust.
- Apply the **4th coat**, **CREATIVO® FINITURA + CREATIVO® MICROCEMENTO** in the same way as the third by **SPATOLA CREATIVO®**. After at least 8 hours sand and vacuum the surface.
- Application of one coat of **CREATIVO® PRIMER** by roller, ready to use, in order to regulate the absorbency of the subsequent coat. Wait 4 hours for the coat to dry.
- Application of **CREATIVO® TOP, LUCIDO (GLOSSY), SATINATO (SATIN) or OPACO (MATT)**, mixing carefully **COMPONENT A** before use, add **COMPONENT B** (catalysis ratio: 1kg A + 0,2 kg B), mix well and apply with specific **CREATIVO® MOHAIR ROLLER** taking care of applying homogeneously the product without leaving deposits and paying attention to corners, edges and drains.
First coat can be diluted up to 10% with water. After about 6 hours, and not later than 24 hours from the first coat, apply a second one with the same method, diluting 0-5% with water.
For floors in high-traffic areas, or wherever special resistance to water, dirt and/or abrasion is required, we recommend application of both coats of **CREATIVO® TOP** with double quantity of catalyst (two Components B for each Component A). When protecting shower rooms and when using it in exterior apply a third coat of **CREATIVO® TOP** with a double amount of catalyst (1 pack of Component A + 2 packs of Component B).

APPLICATION OF CREATIVO® SALT & PEPPER AND CREATIVO® ROCK SYSTEMS

- Mix well 2 parts (in weight) of **CREATIVO® FONDO** with 1 part of **CREATIVO® MICROCEMENTO** with a mixing drill for minimum 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Leave the mix to settle a few minutes and proceed with application. Apply **1st coat** of **CREATIVO® FONDO + CREATIVO® MICROCEMENTO** by stainless steel spatula. After at least 8 hours sand manually or by sanding machine any imperfection, using 60G sandpaper and vacuum the dust. When dealing with very big areas, it is possible to include a fiberglass mesh, 80-90 gr/m², sinking it during the first coat.
- Apply the **2nd coat** of **CREATIVO® FONDO + CREATIVO® MICROCEMENTO** by stainless steel spatula using same method as before, after at least 8 hours sand manually or by sanding machine any imperfection, use 60G sandpaper and vacuum the dust.
- Mix 2 parts (in weight) of **CREATIVO® SALE & PEPE** or **CREATIVO® ROCK** with 1 part of **CREATIVO® MICROCEMENTO**, using the same method as in the first and second coat. Apply with special tool **SPATOLA CREATIVO®**. After 8 hours sand manually or by sanding machine any imperfection, using 120G sandpaper and vacuum the dust.
- Apply of one coat of **CREATIVO® PRIMER** by roller, ready to use, in order to regulate the absorbency of the subsequent coat. Wait 4 hours for the coat to dry.
- Apply of **CREATIVO® TOP, LUCIDO (GLOSSY), SATINATO (SATIN) or OPACO (MATT)**, mixing carefully **COMPONENT A** before use, add **COMPONENT B** (catalysis ratio: 1kg A + 0.2 kg B), mix well and apply with specific **CREATIVO®**

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MOHAIR ROLLER taking care of applying homogeneously the product without leaving deposits and paying attention to corners, edges and drains.

First coat can be diluted up to 10% with water. After about 6 hours, and not later than 24 hours from the first coat, apply a second one with the same method, diluting 0-5% with water.

For floors in high-traffic areas, or wherever special resistance to water, dirt and/or abrasion is required, we recommend application of both coats of **CREATIVO TOP** with double quantity of catalyst (two Components B for each Component A). When protecting shower rooms and when using it in exterior apply a third coat of **CREATIVO® TOP** with a double amount of catalyst (1 pack of Component A + 2 packs of Component B). Wait 24 hours from the last coat before walking on the surface.

ON VERTICAL PLASTERS, PLASTERBOARDS OR PAINT (IF SOUND, SOLID AND ADHERENT)

- Application of **1st coat**, ground coat with **SMARTCOAT 0.4 mm**, acrylic structuring paint, bond improver, unifying, with formula MOULD AND ALGAE RESISTANT. High consolidating power and resistance.
- After 4 – 6 hours, mix 2 parts (in weight) of **CREATIVO® FINITURA**, in the desired colour, with **CREATIVO® MICROCEMENTO**, mix it with a drill for minimum 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Leave the mix to settle a few minutes and proceed with application. Application of **1st coat** of **CREATIVO® FINITURA + CREATIVO® MICROCEMENTO** with special tool **SPATOLA CREATIVO®**. After 8 hours sand manually or by sanding machine any imperfection, using 120G sandpaper and vacuum the dust.
- Application of **2nd coat of CREATIVO® FINITURA + CREATIVO® MICROCEMENTO** by **SPATOLA CREATIVO®**, in the same way as the first. After at least 8 hours sand and vacuum the surface. In case of textured finish work the finishing coat with appropriate technique.
- To obtain antique rustic textured effects it's possible to substitute the 2 coats of **CREATIVO® FINITURA** with one coat of **CREATIVO® FONDO**
- Application of one coat of **CREATIVO® PRIMER** by roller, ready to use, in order to regulate the absorbency of the subsequent coat. Wait 4 hours for the coat to dry.
- Application of **CREATIVO® TOP, LUCIDO (GLOSSY), SATINATO (SATIN) or OPACO (MATT)**, mixing carefully **COMPONENT A** before use, add **COMPONENT B** (catalysis ratio: 1kg A + 0,2 kg B), mix well and apply with specific **CREATIVO® MOHAIR ROLLER** taking care of applying homogeneously the product without leaving deposits and paying attention to corners, edges and drains.
First coat can be diluted up to 10% with water. After about 6 hours, and not later than 24 hours from the first coat, apply a second one with the same method, diluting 0-5% with water.

MAKING OF SHOWER TRAYS ON CEMENT SCREED

Substrate must be sound, solid, dry, clean, free from oil, wax, silicon, sealer or any other element that could compromise adhesion of the system. If the substrate is not solid, apply 1 coat of **CREATIVO® PRIMER**.

- Apply a layer of two-pack cementitious waterproofing mortar to obtain an elastic, protective and waterproof coating. Proceed with the application of **CREATIVO®** system, only once the mortar is completely dry. For the correct timing follow the instructions in the product TDS.
- Apply **CREATIVO® BARRIERA**, 3-pack epoxy-cementitious moisture barrier, after adequate surface preparation. Apply by stainless steel trowel in 2 coats, waiting 24-48 hours between coats. In order to achieve an effective moisture barrier, it is possible to apply it with a minimum thickness of 2 mm with consumption rate of 1.8 kg/m² per mm applied. After 24 hours it is possible to proceed with the system and apply only one coat of **CREATIVO® FONDO** instead of the standard two.
- Mix well 2 parts (in weight) of **CREATIVO® FONDO** with 1 part of **CREATIVO® MICROCEMENTO** with a mixing drill for minimum 5 minutes or until a smooth, lump free, homogeneous mix is achieved. Apply **1 coat** of **CREATIVO® FONDO + CREATIVO® MICROCEMENTO** by stainless steel trowel. After at least 8 hours sand manually or by sanding machine any imperfection, using 60G sandpaper and vacuum the dust.
- Mix 2 parts (in weight) of **CREATIVO® FINITURA**, coloured in the desired shade, with 1 part of **CREATIVO® MICROCEMENTO**, using the same method as in the first and second coat. Apply the **3rd coat** with special tool **SPATOLA CREATIVO®**. After 8 hours sand manually or by sanding machine any imperfection, using 120G sandpaper and vacuum the dust.
- Apply the **4th coat, CREATIVO® FINITURA + CREATIVO® MICROCEMENTO** in the same way as the third by **SPATOLA CREATIVO®**. After at least 8 hours sand and vacuum the surface.
- Application of one coat of **CREATIVO® PRIMER** by roller, ready to use, in order to regulate the absorbency of the subsequent coat. Wait 4 hours for the coat to dry.
- Application of **CREATIVO® TOP, LUCIDO (GLOSSY), SATINATO (SATIN) or OPACO (MATT)**, mixing carefully **COMPONENT A** before use, add **2 COMPONENTS B** (catalysis ratio: 1kg A + 0.4 kg B), mix well and apply with specific **CREATIVO® MOHAIR ROLLER** taking care of applying homogeneously the product without leaving deposits and paying attention to corners, edges and drains. After about 6 hours, and not later than 24 hours from the first coat, apply the **2nd coat** with the same method, diluting 0-5% with water. Apply **3rd coat** in the same way.
- Wait at least 4 days before using the shower.
- Wait at least 24 hours from the last coat before walking on the surface. Avoid any abrasive action, deposit of dirt, moist, oil, staining agents. Wait at least 7 days in order to achieve complete curing of the top coat and therefore maximum resistances to friction, abrasion, dirt pick-up.

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