

**PU two-pack water based finish, for indoor and outdoor use, HACCP-certified for use in food rooms, high hygiene requirements and medical environments.**

## CHARACTERISTICS:

**CREATIVO® TOP** is a polyurethane two-pack, aliphatic water-based finish. **CREATIVO® TOP** is a high performance product that guarantees excellent adhesion to the substrate, flexibility, resistance to compression, bumps, traction, frictions and scratches. It is resistant to alkaline detergents, acids and the most common general detergents used in residential and professional cleaning. **CREATIVO® TOP** is **HACCP-certified** for use in food premises and **CE-certified** according to **UNI EN 13813**.

**CREATIVO® TOP** has low water absorption and medium vapour permeability. Its high mechanical resistances allow the use of trolleys and dollies on it. **CREATIVO® TOP** 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**. The aliphatic nature of **CREATIVO® TOP**, makes it resistant to UV rays, avoiding common issues with epoxy coatings such as dusting and yellowing, thus, allowing its use also outdoor. **CREATIVO® TOP** doesn't release any harmful emission and obtained the "A+" classification (the best according to French regulation for emissions in bordering environments).

**CREATIVO® TOP** is available in an endless range of colours easily achievable with **COLORPLUS® EVOLUTION** tinting system.

## USE:

Thanks to its performance in terms of resistance, hardness and adhesion, **CREATIVO® TOP** is ideal to protect any surface subject to traffic, cleaning and frequent washing, in need to be protected from wear, dirt and water. **CREATIVO® TOP GLOSSY**, applied in 3 coats, can also be used as an **anti-graffiti coating** or as a **whiteboard paint** for vertical and horizontal surfaces. **CREATIVO® TOP** is the ideal product to use in food premises, industrial and medical environments. It can be applied on cement screeds, ceramic surfaces, porcelain, mosaics, concrete, gypsum and plasterboards, epoxy coatings, polyurethane coatings, workshops, stairs or wherever high mechanical and chemical resistance is needed. **CREATIVO® TOP** can also be applied on existing vertical ceramic tile surfaces. **CREATIVO® TOP** (applied in 3 coats) can be used also outdoor and in shower or wet rooms. In such situations with prolonged direct contact with water and water stagnation, it is necessary to create the correct slope to enable the water to flow through the drain and apply 3 coats. **CREATIVO® TOP** is not suitable to be used on parquet flooring and swimming pools.

## 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, not perfectly compact and adherent to the substrate, needs to be removed. 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. In case the substrate is particularly absorbent apply a first coat of **CREATIVO® TOP Transparent** diluted 10% with water in order to reduce absorption and waterproof the surface.

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

On high gloss and smooth substrates it's compulsory to perform a light shot blasting or grinding to improve adhesion of **CREATIVO® TOP**.

Any dynamic joint element needs to stay free to absorb any structural movement.

In case of surfaces with the possibility of extended water stagnation as shower bases, tubs or outdoor floorings, a suitable slope needs to be considered (at least 1 cm per linear meter) to avoid that the prolonged contact can affect the aesthetic finish and apply 3 coats. In order to increase bonding to the substrate, chemical and physical resistance, apply one coat of **ACQUAFLOOR TRASPARENTE** with **ACQUAFLOOR CATALIZZATORE** in a 100:22.5 ratio in volume, diluted with 10% water. Once the two components have been mixed **ACQUAFLOOR** has a pot-life of 1.5-2 hours. After applying **ACQUAFLOOR TRASPARENTE** wait 12-24 hours before applying the first coat of **CREATIVO® TOP**.

## HOW TO APPLY:

Mix carefully **COMPONENT A** before use, add **COMPONENT B** (catalysis ratio as shown in technical data table), mix well and apply with specific 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. Material pot life is 1 hour maximum, do not use the product after if time exceeded the limit. 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. 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. When protecting shower rooms, sinks, tubs and when using in outdoor use, apply a third coat of **CREATIVO® TOP**. To obtain a whiteboard surface apply **CREATIVO® TOP GLOSSY** in 3 coats.

Wait 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, minimum time for the surface to achieve maximum skid and abrasion resistances and minimum dirt pick-up. 80% of chemical and physical resistances are achieved after 72 hours, for complete hardening and performances wait 7 days. Environment temperatures and humidity can affect drying and filming times. Wash well the tools with water after use.

## CLEANING AND MAINTENANCE:

During **HACCP** tests, **CREATIVO® TOP** proved to have excellent resistances to alkaline and acid detergents. In any case, ordinary cleaning should be performed with neutral detergents. Do not use a vapour steam cleaner. It is possible to use cleaning machines for professional use without abrasive brushes.

Wait 7 days before cleaning the surface for the first time. Remove any deposit and staining agent from the surface protected with CREATIVO® TOP applied in 2 coats, within 2 hours from deposit. On CREATIVO® TOP applied in 3 coats, remove within 4-6 hours from deposit. Prolonged contact with all types of

**CREATIVO® IS A BRAND OF**  
**Colorificio MP S.r.l.**

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**aggressive substances, such as wet dirt in general, moist, oily, staining substances, etc., could be eventually absorbed because of the microporosity of the film and deteriorate its appearance irreversibly.**

For further information please check **Floor cleaning protocol\_Art.0896 CREATIVO®**. In case of application on counter tops and tables, we recommend to avoid direct contact with high heat items (pots and pans). Touch ups can be easily performed by sanding and vacuuming the surface before activity. In case of staining of the surface with graffiti, clean the surface after at least 7 days from the application of **CREATIVO® TOP LUCIDO**, wipe the surface with a microfibre cloth soaked with alcohol solvent or synthetic thinner.

## 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.
- 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	
Density	UNI EN ISO 2811-1:2003	CREATIVO® TOP White comp. A Lucido / Gloss CREATIVO® TOP White comp. A Satinato / Satin CREATIVO® TOP White comp. A Opaco / Matt CREATIVO® TOP transparent comp. A Lucido / Gloss CREATIVO® TOP transparent comp. A Satinato / Satin CREATIVO® TOP transparent comp. A Opaco / Matt CREATIVO® TOP Comp. B	1,25 ± 0,05 Kg/l 1,25 ± 0,05 Kg/l 1,25 ± 0,05 Kg/l 1,02 ± 0,05 Kg/l 1,05 ± 0,05 Kg/l 1,05 ± 0,05 Kg/l 1,15 ± 0,05 Kg/l
Gloss	UNI EN ISO 2813:2002	CREATIVO® TOP comp. A Lucido / Gloss CREATIVO® TOP comp. A Satinato / Satin CREATIVO® TOP comp. A Opaco / Matt	80±5 Gloss at 60° 22±5 Gloss at 85° 9±5 Gloss at 85°
pH		CREATIVO® TOP. Bianco/White	7,5 ± 0,5
Catalysis ratio for white base and coloured from white base		CREATIVO® TOP comp. A CREATIVO® TOP comp. B	1,250 kg 0,200 kg
Catalysis ratio for transparent base and coloured from transparent base		CREATIVO® TOP comp. A CREATIVO® TOP comp. B	1,000 kg 0,200 kg
Coverage		White and coloured from white base Transparent and coloured from transparent base	0,09-0,11 kg/m <sup>2</sup> 0,07-0,09 kg/m <sup>2</sup>
Pot-life		1 h	
Drying time at 20°C		Dust free 4 - 6 ore, Over paintable 6 - 24ore; walkable 24 ore; Complete mechanical resistance 7 days.	
Liquid water permeability	UNI EN 1062-3:2008	W=0,004±0,001kg/kg/(m <sup>2</sup> h <sup>0,5</sup> ) Class W <sub>3</sub> <b>Low permeability</b>	
Water-vapour transmission rate	UNI EN ISO 7783:2012	Sd=0,6007±0,1261 m μ=400 Class V <sub>2</sub> - <b>Medium permeability</b>	
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 / Gloss 75,27±15,05 CREATIVO® TOP Opaco / Matt	
Determination of emissions of volatile organic compounds <b>Total VOC</b>	EN ISO 16000		
Drum size CREATIVO® TOP White		CREATIVO® TOP White comp A CREATIVO® TOP comp. B  CREATIVO® TOP White comp A CREATIVO® TOP comp. B	3,125 kg 0,500 kg  1,250 kg 0,200 kg
Drum size CREATIVO® TOP Transparent		CREATIVO® TOP Transparent comp A CREATIVO® TOP comp. B	2,500 kg 0,500 kg

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		CREATIVO® TOP Transparent comp A CREATIVO® TOP comp. B	1,000 kg 0,200 kg
Colours		RAL	

### UNI 11021:2002 TESTS

RIF	Description	Method	Measure	Limit value	Result
<b>Essential Requirements</b>					
7.1	Dirty pick up	UNI 10792	$\Delta L = 0,10$	$\Delta L \leq 3,0$	PASS
7.2	Smell	Appendix A	0	$\leq 1,0$	PASS
<b>Specific Requirements</b>					
8.1	Washability	UNI EN ISO 11998	Ldft = 0,01 $\mu$ m	Ldft $\leq 5\mu$ m	PASS
8.3	Resistance to the mould	Appendix C	0	$\leq 1$	PASS
8.4	Resistance to washing agents Detergent B (alkaline washing agent)	UNI EN ISO 2812-1	No alteration	No alteration	PASS
8.4	Resistance to washing agents Detergent C (acid washing agent)	UNI EN ISO 2812-1	No alteration	No alteration	PASS
8.4	Resistance to washing 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	$\mu = 0,56$	$\mu > 0,40$	COMPLIANT
Rubber on wet surface	$\mu = 0,78$	$\mu > 0,40$	COMPLIANT

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

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