

CREATIVO

BAUFLOOR[®]



CREATIVO is a thin layer system used for creation of exclusive, decorative floors and decorative coatings. It contains polymers, highly efficient cements and appropriate additives and pigments. Colour selection of the system is unlimited thanks to the use of liquid pigments.

AREAS OF APPLICATION

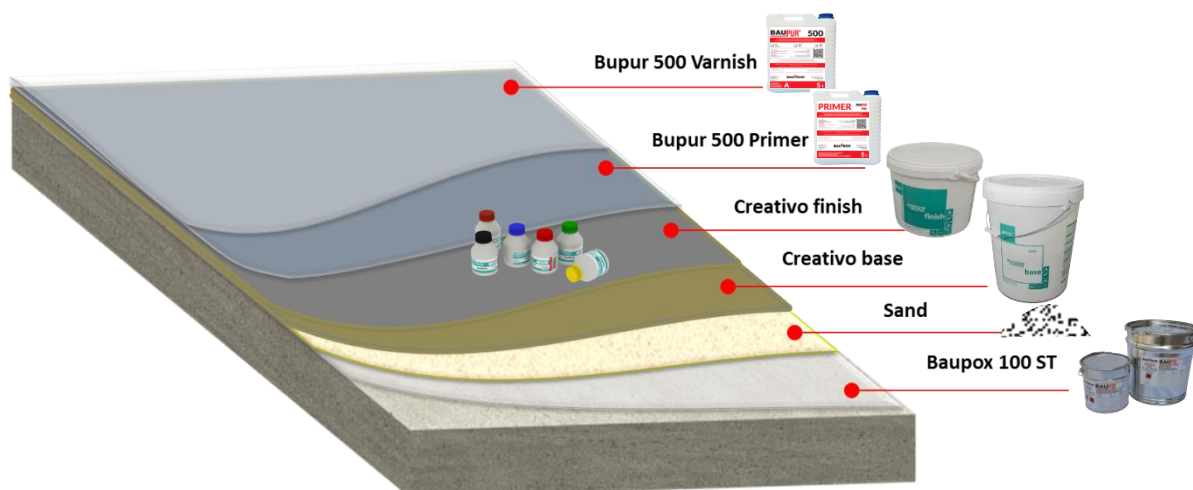
- Used in creation of creative, aesthetic, thin layer decorative floors on new and renovated substrates, screeds, ceramic tiles, OSB panels.
- Used in creation of decorative coatings on walls, gypsum-cardboard panels, furniture, wood, metal, etc.
- Used in wet areas, e.g. in bathrooms, kitchens, swimming pool premises, SPAs
- Used in apartments, flats, representative premises, restaurants, stores, clubs, offices, food courts, public buildings, etc.



PROPERTIES

- High adhesion to the substrate
- Total system thickness 2 mm
- Wide and unlimited range of colours – thanks to the use of liquid pigments
- Very high abrasion resistance
- High flexibility in use on flexible substrates and on raised floors – without the need to translate expansion joints
- Ability to create any surface structure
- The surface is easy to clean, UV-resistant, does not turn yellow during use

CROSS -SECTION



CREATIVO

BAUFLOOR[®]



APPLICATION CONDITIONS

Ambient and surface temperature should be +10 to +25°C during work and for the next 5 days. The applied surface should be protected against excessive rate of water loss caused by e.g. high temperature, draughts, sunlight, etc. All works should be performed using appropriate tools, in an environment protected against dust, styrofoam particles and other contaminations in order to ensure high quality of the floor and uniformity of the color.

Application should be performed under the following conditions:

Substrate humidity	–max 4%
Substrate temperature	– min +10°C
Relative humidity	– max 75%

NOTE: Particular attention should be paid to the surface temperature to be higher by at least 3°C than the dew point. Floor heating systems should be switched off at least 3 days before application of the CREATIVO floor. Appropriate lighting should be provided in the room.

CURING

At 20°C and at relative humidity of 60-70%:

Pedestrian traffic	– after 24 hours
Full resistance	– after 7 days

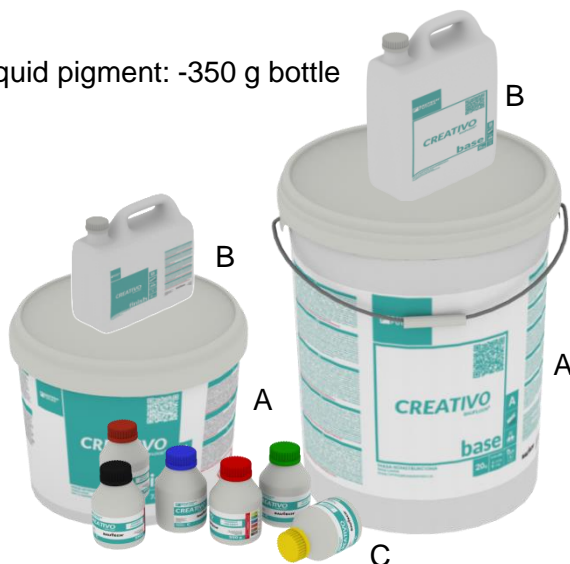
NOTE: The coating is not resistant to loads caused by metal wheels and acidic agents.

PACKAGINGS

CREATIVO is packed in the following sets:

BASE layer:	A – powder component	-15 kg bucket
	B – liquid component	-5 kg container with polymer
FINISH layer:	A – powder component	-5 kg bucket
	B – liquid component	-2 kg container with polymer

Pigment: **C** -liquid pigment: -350 g bottle



CREATIVO

BAUFLOOR[®]



PRIMING floor (STANDARD)	<p>BAUPOX[®] 100 ST</p> <p>Spread the correctly mixed material on the concrete substrate as one or two layers, using a rubber blade followed by a roller smoothing, until full saturation is achieved. Next, aggregates should be cast as a uniform layer, in the amount of ca. 3.00 kg/m². The surface obtained after the polymerization process should be gently ground using a mechanical grinder with sand paper, followed by thorough dusting/vacuum cleaning of the surface.</p>	<p><u>Consumption:</u> 0.30 – 0.50 kg/m²</p>
PRIMING wall	<p>BAUGRUNT[®] CONTACTO</p> <p>(in case application on vertical surfaces and furniture this system replaces the STANDARD priming). Thoroughly mix the contents of the packaging. Apply the material using a brush or a roller. Avoid and prevent smudges and drops of the material. CREATIVO mass may not be applied earlier than 2 hours after application of the BAUGRUNT[®] CONTACTO</p>	<p><u>Consumption:</u> 0.2 kg/m²</p>
COLORATION	<p>Pigment (C)</p> <p>Pigment (C) should be mixed with component B (liquid) according to the ratio specified in the coloration table. Components should be precisely measured using an electronic balance/syringe</p>	<p><u>Consumption:</u> According to the table</p>
CREATIVO	<p>CREATIVO is delivered as two components (powder component A + liquid component B). Pot life of material in both layers is ca. 30 minutes at the ambient temperature of 20°C.</p> <p>1. BASE layer Components should be mixed at the 3A:1B+C ratio, then spread using a steel trowel.</p> <p>2. FINISH layer Components should be mixed in the 2.5A:1B+C ratio, then spread using a steel trowel.</p>	<p><u>Consumption:</u></p> <p>Base layer ca. 1 kg/m²</p> <p>Finish layer 0.5 – 0.7 kg/m²</p>
CREATIVO VARNISHING	<p>1) Priming with BAUPUR 500 PRIMER</p> <p>2) Varnishing with BAUPUR 500</p> <p>Surface should be vacuum cleaned. The material should be applied using a high-quality velour roller which does not leave smudges on the floor surface, adversely influencing the aesthetics of the ready floor.</p>	<p><u>Consumption</u></p> <p>Primer 0.05 l/m²</p> <p>Varnish 0.07 l/m² (2 layers)</p>

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BAUFLOOR[®]



CONCRETE SUBSTRATE PREPARATION

The concrete substrate must be stable and provide appropriate load capacity for target static and dynamic loads – concrete of at least C20/25 (B25) class or cementitious screed, M20 class with a minimum pull off resistance of 1.0 N/mm². Permitted moisture content in the substrate may not exceed 4 wt%. If the substrate is uneven or non-uniform, it should be levelled first, using the UNIFLOOR[®] mix or an epoxy-based screed. Cementitious laitance, any dirt and old protective coatings should be removed mechanically by grinding or shot-blasting.

Weaker substrates should have their resistance improved to the adequate level using deeply penetrating, epoxy-based BAUPOX[®] 100 GP resin. Missing material should be filled using TERRAFILL[®] repairing preparation or an epoxy-based screed.

Correctly mixed BAUPOX[®] 100 ST should be distributed all over the concrete substrate, in one or two layers, using a rubber trowel, followed by a roller, until full saturation. Next, the surface should be uniformly cast with CREATIVO aggregate, in the amount of ca. 3.00 kg/m² – a full cast. Once the surface is cured, the surface should be gently ground using a mechanical grinder equipped with sand paper and the entire floor surface should be thoroughly vacuum cleaned. Thus prepared substrate is now ready for application of the main CREATIVO layer.

APPLICATION ON OSB

The first step includes removal of the protective wax layer from the OSB panels, by grinding. The substrate made of panels should consist of at least two cross-installed layers, the best solution includes joggle joints.

The joints may be further reinforced, by gluing them using the BAUPOX[®] 100 ST epoxy resin and a substrate mesh, 10-15 cm wide. Thus prepared and reinforced OSB panel and mesh substrate is ready for spreading a single BAUPOX[®] 100 ST layer after 12 hours, using a rubber trowel, followed by rolling using a high-quality velour roller. Then the surfaces should be uniformly cast with CREATIVO aggregate in the amount of 3.00 kg/m² – full cast. After curing, the surface should be delicately ground using a mechanical grinder with sand paper, followed by thorough dusting/vacuum cleaning of the entire surface. Thus prepared substrate is ready for application of the main CREATIVO layer.

APPLICATION ON TILES

The substrate should be cleaned of all contamination and stains by grinding the existing substrate with a diamond disc (in order to perform so called matting of the glazed layer/tile grinding). Missing material and joints should be filled. Tiles weakly adhering to the substrate should be hacked off and the empty spaces filled in using BAUPOX 100 ST mixed with quartz. Thus prepared substrate, once completely dried and with all fillings ground, should be coated using the BAUPOX[®] 100 ST epoxy resin and cast with aggregate (ca. 3.00 kg/m² – full casting). Once cured, the surface should be delicately ground using a mechanical grinder with sand paper, and the entire surface should thoroughly dusted/vacuum cleaned. Thus prepared substrate is ready for application of the main CREATIVO layer.

CREATIVO

BAUFLOOR[®]



APPLICATION ON WALL and VERTICAL SURFACES

The surface should be smooth, with all dust and contamination dusted and removed. Bonding bridge BAUGRUNT[®] CONTACTO – 0.2 kg/m² is applied on such a prepared wall using a velour roller.

NOTE: BAUGRUNT[®] CONTACTO should be mixed thoroughly before application, in order to obtain a uniform mass for easy application. CREATIVO FINISH is applied 2 hours after application of the joining layer. We recommend application of two layers of the CREATIVO FINISH– 1 kg/m².

APPLICATION ON THE FLOOR

Switch off the floor heating at least 3 days before the application of the CREATIVO floor. Provide adequate lighting in the room. All CREATIVO components should be weighed on a precise, electronic balance. Application should be performed “from the window” to the exit from the room in order to avoid undesired application non-uniformities and shoe prints. Application is best performed by 2-3 people (larger areas) – two individuals apply the product and another one mixes previously prepared components.

CREATIVO BASE LAYER PREPARATION, Component A : component B, 3 : 1 PIGMENTATION ACCORDING TO THE COLOURATION TABLE

CREATIVO is delivered as two components (powder component A + liquid component B). The contents of the packaging containing component A should be thoroughly mixed with a mixer, and component B should be shaken before use. Measure the appropriate amounts of CREATIVO ingredients before starting work:

- powder component A,
- polymer liquid component,
- liquid pigment required for application on the desired number of m², with a 10% excess.

Coloration

We recommend preparation and coloration of the entire liquid (component B) according to the colouration table in order to achieve a uniform colour. The entire liquid (component B) and the pigment (measured according to recommendations included in the colouration table) should be poured to a large, tightly closed container, mixed using a low-speed rotary mixer (always mix after pouring). Thus prepared and coloured liquid (component B) will be used in application of the first layer onto the entire area.

COMPONENT MIXING

Measured powder component (we recommend gradual pouring of the mass in order to ensure thorough component mixing) should be added to the coloured liquid (component B+C). The components are mixed using a basket mixer (according to the 3A:1B+C ratio). The mixing should be continued for 2-3 minutes, until the mixture becomes uniform.

NOTE: All clumps of unmixed material should be separated, e.g. using a small trowel and mixed again. Unmixed clumps present during application are difficult to separate and leave visible traces on the floor after grinding.

CREATIVO

BAUFLOOR[®]



APPLICATION

CREATIVO is applied manually, using steel trowels of various width. The material should be applied in quick, strong motions – circular or longitudinal motions, depending on the expected visual effect. CREATIVO BASE layer is applied onto the ground, thoroughly dusted and cleaned substrate – 1 kg per every 1 m². Excess material left between trowel passages will leave a visible troweling trace. It may be partially or completely ground the following day.

NOTE: Small, loose aggregate particles left on the substrate during application of CREATIVO BASE layer will move upwards and thus will eventually be visible on the floor surface.

HINT: Separation of individual rooms using a painting tape allows an aesthetic expansion joint to be obtained as a straight, visible line. So called technological breaks should be avoided during work – in particular in the middle of the room.

GRINDING

Grinding of the main CREATIVO is performed after its curing process is complete. The material should be ground using 60 or 80 grit sandpaper.

NOTE: The final effect of the entire floor depends on the grinding method used on the first layer. Partially left, so called grindings obtained from excessive material used during application will be visible after application of the top coat and repeated grinding of the top coat.

CREATIVO FINISH LAYER PREPARATION Component A : Component B, 2,5 : 1 **PIGMENTATION ACCORDING TO THE COLOURATION TABLE**

NOTE: Creativo Finish layer application should be performed once curing of the main layer is complete. The contents of the packaging containing component A should be thoroughly mixed with a mixer, and component B should be shaken before use.

COLOURATION

We recommend preparation and colouration of the entire liquid (component B) according to the colouration table in order to achieve a uniform colour. The entire liquid (component B) and the pigment (measured according to recommendations included in the colouration table) should be poured to a large, tightly closed container, mixed using a low-speed rotary mixer (always mix after pouring). Thus prepared and coloured liquid (component B) will be used in application onto the entire area.

COMPONENT MIXING

The measured powder component (we recommend gradual pouring of the mass in order to ensure thorough component mixing) should be added to the coloured liquid (component B+C). The components are mixed using a basket mixer (according to the 2.5A:1B+C ratio). The mixing should be continued for 2-3 minutes, until the mixture becomes uniform.

NOTE: All clumps of unmixed material should be separated, e.g. using a small trowel and mixed again. Unmixed clumps present during application are difficult to separate and leave visible traces on the floor after grinding.

CREATIVO

BAUFLOOR[®]



APPLICATION

Creativo Finish layer is applied onto the ground, vacuum cleaned surface. Consumption of CREATIVO Finish is ca. 0.5/0.7 kg per each 1 m². It is applied easier and more smoothly compared to the main layer. Finish coating should entirely cover the main layer. Leaving visible grindings obtained from excessive material used during application will be directly reflected on the floor. Leaving excess material between trowel runs will leave a visible trowelling mark. The mark may be ground, partially or completely, on the following day.

GRINDING

After the curing process of Creativo finish is complete, the layer should be ground gently using a single disc grinder with sandpaper, grit 80 and higher – until the desired effect is obtained.

PRIMING and VARNISHING

The ready floor should be thoroughly vacuum cleaned and primed using the **BAUPUR 500 PRIMER** applied as a single layer.

After 1 hour **BAUPUR 500 (2 component)** should be applied using a high-quality velour roller, not to leave smudges on the floor surface. After 2 hours second layer of **BAUPUR 500** should be applied.

EQUIPMENT CLEANING

Equipment and tools should be cleaned directly after application of the priming layer (BAUPOX[®] ST 100 resins), using acetone. Tools used in application of the CREATIVO layers should be cleaned directly after use, using water. Cured material should be cleaned mechanically.

SAFETY MEASURES

BAUPOX[®] components are provided with material safety data sheets (MSDS) containing instructions pertaining to occupational safety, storage and disposal. CREATIVO contains cement

– yielding alkaline medium once mixed with water. Preventive measures protecting against dust generation or mortar spillage should be undertaken. Do not inhale the product, protect eyes and skin. In cases of contamination: wash eyes immediately with copious amounts of water, clean contaminated skin with soapy water. Seek medical aid, if necessary. Store outside the reach of children.

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ADDITIONAL INFORMATION

All information pertains to products stored and used according to the provided instructions, Is provided in good faith and reflect current state of knowledge and experience of BAUTECH

The user is obliged to use the product according to its intended use and recommendations provided by BAUTECH®. All specified technical data is based on trials and laboratory tests. Practical results of measurements may not be identical because of conditions, locations, application method and other circumstances beyond reasonable control of BAUTECH®. Differing recommendations from our employees require a written form for validity. This instruction supersedes all previous versions thereof. The surface of the applied floor coating may display various hues and shades and slight differences in look, depending on conditions and method of work, drying conditions, etc. This is not a fault of the product and does not influence its technical parameters and utility properties of the floor coating. Colour differences of the floor coating may also result from non-uniformity of the concrete substrate.

CREATIVO

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COLORATION

The pigment is added to the liquid component B according to ratios provided in the coloration table. Decreasing or increasing the amount of the pigment yields more or less intense (saturated) colors.

NOTE! The color range should be considered an example only. The final color and hue depends on the method and precision of coloring, as well as on the distribution and grinding of the decorative mass. Making a sample of the color first is strongly advised.

COLORATION TABLE

BASE LAYER					
CREATIVO BASE	PIGMENT	POWDER COMPONENT A	LIQUID COMPONENT B	PIGMENT [g]	PIGMENT [ml]
CRE01 GREY	black	1000	333	2.50	1.35
CRE02 LIGHT GREY	Black	1000	333	1.30	0.70
CRE03 NATURAL GREY	Black	1000	333	5.00	2.70
CRE04 BASALT	Black	1000	280	60.00	32.40
CRE05 RED	Red	1000	300	30.00	16.40
CRE08 GRAPHITE	Black	1000	300	30.00	16.20
CRE10 YELLOW	Yellow	1000	330	30.00	19.40
CRE12 GREY CONCRETE	Black	1000	333	10.00	5.40
CRE13 BROWN	Brown	1000	300	30.00	17.70
CRE14 GREEN	Green	1000	300	30.00	16.00
CRE15 BLUE	blue	1000	280	100.00	62.50
FINISH LAYER					
CREATIVO FINISH	PIGMENT	POWDER COMPONENT A	LIQUID COMPONENT B	PIGMENT [g]	PIGMENT [ml]
CRE01 GREY	black	1000	400	3.00	1.35
CRE02 LIGHT GREY	Black	1000	400	1.60	0.70
CRE03 NATURAL GREY	Black	1000	400	6.00	2.70
CRE04 BASALT	Black	1000	340	72.00	32.40
CRE05 RED	Red	1000	360	36.00	16.40
CRE08 GRAPHITE	Black	1000	360	36.00	16.20
CRE10 YELLOW	Yellow	1000	360	36.00	19.40
CRE12 GREY CONCRETE	Black	1000	400	12.00	5.40
CRE13 BROWN	Brown	1000	360	36.00	17.70
CRE14 GREEN	Green	1000	360	36.00	16.00
CRE15 BLUE	blue	1000	340	120.00	62.50