



EN ISO 9001: 2008

TECHNICAL DATASHEET **ART BASIC**

**Decorative forged cement
for interior and exterior areas**

CLASSIFICATION: PCCR2
According to EN-1504-3

Description - Usage

Application

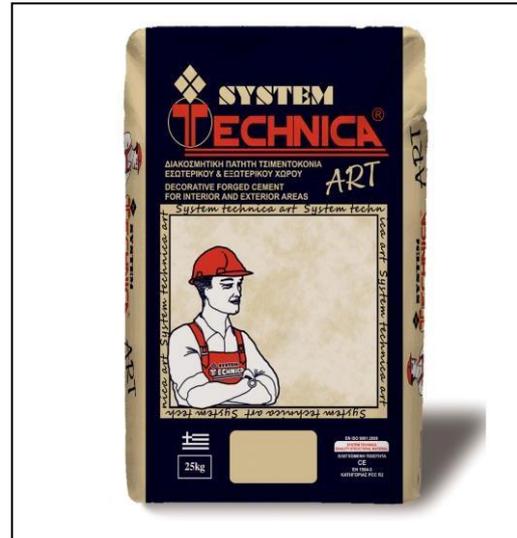
Forged cement of cementitious base for internal & external areas, with special enhancive additives, of various types of granulometry (fine -coarse grained) of high quality. Offers powerful adhesion on many materials such as: brick, mortar, plaster, old floorings made of tiles- marbles- mosaics, even wood. Features excellent workability, great mechanical strength against flexion - compression - abrasion. Does not crack due to its flexibility and gives as a result homogenous final uniform surface.

Substrate preparation

We thoroughly examine the substrate for possible unstable or rotten parts and repair them, if needed. For very glossy substrates or substrates that have gone through oscillation it is necessary to use the special quartz primer by **SYSTEM TECHNICA** which we let to dry completely before the application of the forged cement.

Colors

It is produced in three basic colors: white-grey-beige and supported by **37** additional pigments in various colors available by **SYSTEM TECHNICA**.



After we have chosen, according to our needs, between the two types of granulometry that **SYSTEM TECHNICA** provides, (fine -coarse), we then proceed to the application. While stirring we add 6 liters of clear water to 25Kg of **SYSTEM TECHNICA ART** and stir with low rotations until a homogenous mixture comes up. Let the mixture to settle for 5-7 minutes and then stir again without adding water. The mixture is ready to be used. Apply the mixture on the substrate with the use of a notched trowel so that it is spread evenly and we level the surface by using the straight side of the trowel making sure at the same time, that no air has been caged inside the mixture. For substrates that necessarily need larger thickness of the material, or unstable or vibrating substrates, it is necessary to use reinforced fiberglass, available from **SYSTEM TECHNICA**, to avoid cracks, which is encapsulated within the material while it is still wet.

After the material has properly dried (and also before it has completely dried) depending on the surface, we apply one thinner layer of the material (thin and thick granule) to the surface that we level, knowing that the longer the material is drying and we press it with the appropriate spatula and sprinkle it at the same time, the smoother and glossier the effect on the final surface will be.

Depending on the work conditions we can create the layer base and we can apply the next day the final layer of the material which will give us the final surface.

After a few days and since the final surface (depending on the conditions) has dried well, we apply the special varnishes by **SYSTEM TECHNICA** which will totally waterproof the surface and prevent its besmirchment even from the most difficult stains.

Consumption

Approximately 1.1-1.3 Kg/ m² of layer thickness depending on the substrate and the type of the material (coarse or fine grained).

Storage

Keep in a room with low humidity and store on pallets up to one year from the date of production and always in sealed package.

Packaging

Available in bags of 25kg.

Basic advice

The material should be used under temperature is between 5° C and 35 ° C. During the summer months, due to high temperature, after the final application of the material, in order to avoid undesirable cracks caused by premature dehydration, it is recommended that the surface is sprinkled periodically for a period of 48 hour.

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Φορέας Πιστοποίησης
EBETAM

General Information

Form	Cement based mortar
Color	40 Colors White, beige, grey basic shades
Specific Weight	1.40kg/lit
Flammable material	NO

Technical Specifications

Moisture Resistance	Excellent
Ageing Resistance	Excellent
Alkali & acid Resistance	Excellent
Temperature resistance	-30° C to +95° C
Chloride ion content	0,00%
Adhesion on concrete	>1.2 N/ mm ²
Tensile adhesion strength after 50 freeze thaw cycles	>1N /mm ²
Strength in Flexion	>6.0 N /mm ²
Strength in Compression	>20.0 N / mm ²
Capillary water absorption	≤ 0,4 kg / m ² min0,5
Classification	PCC R2
Based on EN-1504-3	

Application

Form	Very thick
Mixture density	1.85 kg/lit
Ageing time	approx 5-7 min
Pot life	approx 2hours
Temperature Application	5° C and 35 ° C

Notes

The product contains cement and is classified as irritant please consult the safety instructions written on the packaging before use.



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EN 1504-3:2005

ART BASIC

Dop No. : SYSTEM TECHNICA ART BASIC/4000 - 01

Decorative forged cement for interior and exterior areas

Classification: PCCR2

Reaction to fire:	Class A1
Compressive strength	Class R2
Chloride ion content	≤ 0.05%
Adhesive bond	≥ 0,8 MPa
Capillary Absorption	≤ 0,5 kg/m ² .h ^{-0,5}
Thermal compatibility Part 1: Freeze thaw with de-icing salt immersion	≥ 0,8 MPa
Dangerous substances	See SDS

The company guarantees the performance of the product as written in the technical data sheet - CE. These are the results of the company's long-standing experience and knowledge in the production and application of the product in practice (laboratory tests and projects autopsy). The company can not guarantee the final result as it is impossible to monitor and oversee all possible product applications. Therefore, it is the user's sole responsibility to ensure that the product is suitable for the requirements of its project, to consult the instructions for use on the packaging and to use it in the right way and in the right conditions to have the ideal final result. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. Karditsa April 2019