## **COMFORT DOMUS**

The role of locally-sourced materials in architecture and biophilic design



2.





## DIATHONITE AND SENTINUM

The origin of the name **DIASEN** comes from **Diathonite**, our line of cork-based renders and **Sentinum**, the Latin name of the Roman town where we are based

(学校市)()



## SUSTAINABLE HUMANISM



Our deep roots in our homeland, our resignation of the good and the benefits to our people and our close attention to sustainability have allowed us to be certified as one of few Italian **B-CORP** and **BENEFIT CORPORATION** companies since 2017

R

Certificazione

Corporation

# 117.4 SCORE



### **MILESTONES**



Premio Sicurezza Imprese Confindustria e Inail 2024 Premio dei Premi della Presidenza della Repubblica 2023 Premio innovazione per le imprese 2023 Premio innovazione SMAU 2023 Venice Innovation Design 2023 Innovation Awards 2022 Eccellenza dell'edilizia sostenibile 2022 Building Material Award, Athens Greece 2022 Impresa Vincente di Intesa Sanpaolo, per ESG e sostenibilità Resilienza e Innovazione di BPER 2021 Leadership in impresa e sostenibilità di GBC Italia 2020 Premio Sviluppo Sostenibile @ Ecomondo Rimini 2018 Innovación de Producto y Material @ Rebuild Barcelona 2018 Archiproducts Design Awards 2016 Excelência da Reabilitação na costrução @ Concreta Porto 2015 I-Novo Design Awards @ Batimat Paris 2015



## **DIASEN COMMUNITY**

We strongly believe in enlarging our community of partners around the world: architects, engineers, designers, developers, installers and promoters, who spread our philosophy of sustainability around the world through artistic and architectural events







## CORK: THE MOST CIRCULAR MATERIAL IN THE WORLD







On the contrary of what many people think, the harvesting does not cause any damage to the oak: once the bark is collected, **it can be harvested again after 10 years**, allowing the tree to grow stronger and healthier



## **CORK: THE MOST CIRCULAR MATERIAL IN THE WORLD**





Much more than a simple bark: cork owns an inner structure with a hundreds of porosities which ensure an excellent breathability and thermal behaviour; moreover, cork owns a special wax called suberine which protects it from humidity





## **CORK: THE MOST CIRCULAR MATERIAL IN THE WORLD**

Behind each one of our products there is a **world of craftsmanship**: we recycle the leftover of the production of cork stoppers for the wine bottles, we refine it and transform it into perfect grains of millimetric dimensions; such grains are then mixed with the other locally-sourced materials to finally get the finished products





## A MEDITERRANEAN COMPOSITION



Cork is mixed with a handful of other **locally-sourced materials** that all come from the Mediterranean countries:

- **Clay**: thermal and resistant, to improve the strength of the renders
- **Diatomaceus earth**: to improve the hygroscopic behaviour of the materials
- **Cellulose fibers**: to reinforce the materials
- **Pumice stone**: to improve the fire resistance
- **Natural hydraulic lime**: essential to improve the mechanical resistance, to bind together all the other components and to ensure an antibacterial property of the final product

"These fragments of natural elements, pebbles of stone, fossils, wood, things martyred by the elements, collected off the edge of the sea, expressing physical laws, erosion, not only have particular talents, but also an extraordinary potential poetic." **(Le Corbusier)** 



## LEARNING FROM THE ANCIENTS



a building in its entirety: quality products, functionality, living comfort aesthetics, travelling in the line of time thinking towards back





## **COMFORT DOMUS**



The **Roman Domus** is a reference as an **architectural project of living comfort** with the technologies and knowledge of the time, ensuring

lightness of the structures
natural ventilation
natural lighting
jointless envelope and finishes
functionality and aesthetics of spaces

The challenge of comfort requires solutions capable of combining technological content, uniqueness and respect for future generations: functionality, beauty, sustainability

"Haec autem ita fieri debent, ut habeatur ratio firmitatis, utilitatis, venustatis" Vitruvio, De Architectura



Diathonite renders are probably the best example of materials that meet the standards of biophilic architecture and design, for this reason it's easy to say that Diathonite renders are biophilic renders and they are like a new skin for a building that ensures a direct contact with nature

Is Molas Resort, Cagliari **Fuksas Architects** 

**BIOPHILIC DESIGN** 



## **BIOPHILIC DESIGN**

Biophilic architecture and design promote the healthiness of spaces through the use of materials and shapes that recall ancient architecture and the contact with nature: the warm and light colors of the earth, locally-sourced materials, rounded geometries, openings towards the greenery and the sea, comfortable surfaces and materials, natural paints



## CORKPHILIA

**Philia** in Greek means disinterested friendship, made of complicity and common intentions, like the relationship between man and nature which is instinctively **biophilic** 

#### Diasen declined the biophilic relationship through the mediation of cork: hence *CorkPhilia*

Our solutions create environments in which cork can be left exposed, in a multisensory connection between man and nature

Our **CorkPhilia** approach satisfies the needs of:

. sustainability

- . regeneration
- . health
- . comfort
- . design





## **DIATHONITE, BIOPHILIC RENDERS**

The **Diathonite** line of renders **perfectly represent the concept of total comfort of a building** by responding to the following aspects that a biophilic and comfortable building should have

COLD AND HEAT INSULATION ACOUSTIC ABSORPTION AND INSULATION MOISTURE MANAGEMENT FIRE PROTECTION STRUCTURAL RESISTANCE INDOOR AIR QUALITY



## **CERTIFIED SUSTAINABILITY**



ABLI

BREEAM

IRONA

BB/

Green **Building** Council Italia









ÉMISSIONS DANS L'AIR INTÉRIEUR



## DIATHONITE THERMACTIVE, A NEW CONCEPT OF COMFORT



Diathonite Thermactive represents the perfect balance of properties that makes it the best material to improve the living comfort in buildings, all year long

Thermal conductivity	λ = 0,035 W/mK
Thermal resistance	R = 0,29 m <sup>2</sup> KW *
Thermal diffusivity	a = 0,15 mm²/s
Consumption	<b>2,60 kg/m</b> <sup>2</sup> *
Density	250 kg/m <sup>3</sup>
Compression resistance	<b>2,80 N/mm</b> <sup>2</sup>
Fire reaction	Euroclass A1
Fire resistance	EI 120 **
Porosity	71%
Breathability	μ = 3

m<sup>2</sup>KW \* nm²/s n<sup>2</sup> \* 3 m<sup>2</sup> s Al

\* considering 10 mm of thickness

\*\* 25 mm of thickness over wooden substrate



## **DIATHONITE EVOLUTION, 20 YEARS OF THERMAL INSULATION**



**Diathonite Evolution** has been the first and revolutionary pre-mixed plaster with excellent thermal properties on the market, which was launched almost 20 years ago and which continues to be one of the most relevant solutions in architecture

Thermal conductivity Thermal resistance Thermal diffusivity Consumption Density Compression resistance Fire reaction Breathability  $\lambda = 0,045 W/mK$ R = 0,22 sqmKW \*  $a = 0,13 mm^2/s$ 3,70 kg/sqm \* 360 kg/m<sup>3</sup> 2,80 N/mm<sup>2</sup> Euroclass A1  $\mu = 4$ 

\* considering 10 mm of thickness



## TOTAL PROTECTION ALL YEAR LONG

Insulation material	Density p [kg/m³]	Specific heat <mark>c</mark> [J/kgK]	Thermal Conductivity λ [W/mK]	Thermal Diffusivity a [mm²/s]
Black cork	100	1560	0,040	0,260
Cellular concrete	300	1000	0,089	0,300
Wood	150	2000	0,040	0,133
Rock wool	100	1030	0,035	0,339
Hemp panel	50	1700	0,040	0,470
Fiberglass	80	1030	0,035	0,424
XPS	35	1450	0,035	0,689
Styrofoam panel	25	1200	0,036	1,200
Polyurethane foam	43	1400	0,028	0,465
Diathonite Evolution	360	1000	0,045	0,125
Diathonite Thermactive	250	1000	0,035	0,150

#### The **thermal diffusivity** is the

parameter that allows the evaluation of the heat insulation capacity of a material

It is the relationship between the insulating capacity (thermal conductivity) and the thermal capacity (product of the density of the material and the specific heat)

$$\alpha = \frac{\lambda}{\rho \cdot c_p}$$

The lower the thermal diffusivity value, the better the insulation against heat during the summer



## **GREEN COMFORT REPORT**



What is Diatherm Who is for Features



## Healthiness, safety and energy saving

Household well-being is the result of the harmonious balance among several elements such as healthiness, safety and energy saving. In this context, the microclimate plays a fundamental role, because it is precisely the perception of this microclimate that determines the real level of thermal comfort.





# WUFI®



Diathonite data are uploaded into the online softwares **Diatherm®** and **WUFI®**; thanks to that, it is possible for us to issue a complete and detailed **report of comfort** with the figures of:

- energy savings every day of the year compared to the same wall/roof situation without any type of insulation and/or compared to other insulation systems;
- the **living comfort**, according to **moisture absorption and release**, **indoor air quality**, resistance and reaction to fire, mechanical resistance, etc.



## WHY SHOULD YOU KEEP USING A TRADITIONAL SYSTEM?





Diathonite renders are perfect for indoor applications in retrofit works as they provide a solid and robust solution to cover walls made of many different materials; they improve the thermal comfort even with reduced thicknesses and when it is impossible to work on the outside





Diathonite is the ecological alternative to traditional EIFS, not only improving the energy efficiency in the Winter time, but also in the Summer. Morevore, the jointless layer of Diathonite provides a unique solution to avoid thermal bridges while ensuring a fireproof barrier







Diathonite is the only solution which can be easily used to refurbish an **historic-listed building**, especially when there exist decorations

- Direct application over masonries
- Thanks to its low density, Diathonite does not overcharge the building
- Diathonite protects from moisture



Diathonite perfectly meets the requirements of the different autorithies for the **buildings conservation** around Europe, thanks to its composition and thanks to the way it can be applied and the decoration it is possible to create





Compared to traditional EIFS, Diathonite provides many other benefits, becoming a much easier solution in terms of application, resolving any possible future problem of thermal bridge





2 cm

- No primer or mechanical fixing needed over bricks
- No mesh up to 50 mm of thickness
- Final solid coating
- No more problems of thermal bridge



Diathonite can then be finished in a variety of ways, leaving a rough texture or creating a completely smooth surface

Rubrics Building, Trinity College, Dublin Pascall+Watson Architects & Carrig Conservation

**HEAD** 



WWW.DIASEN.COM

Diathonite can then be finished in a variety of ways, leaving a rough texture or creating a completely smooth surface

Private condo, Lisbon **STC Arquitectos** 



Diathonite ensures a perfect covering of any type of surface and geometry, including rounded structures





Diathonite renders are robust and **solid** enough to stand the weight of tiles and stones in order to create an insulation and fire-resistant substrate; this would be almost impossible with a traditional EIFS





Diathonite can also be polished and then left completely smooth and exposed with the visible grain of cork to create a unique aesthetic and biophilic effect



Public Library, Grândola Pedro Matos Gameiro Arquitectos + Pedro Domingos Arquitectos





## JOINTLESS APPLICATION

Among the many features of Diathonite, one of the most important ones is the possibility of having a jointless application done

Historic listed-building, Barcelona



## JOINTLESS APPLICATION

PERMANENT PROVIDENT

Among the many features of Diathonite, one of the most important ones is the possibility of having a jointless application done

Private villa, Quinta do Lago Vasco Vieira Arquitectos





## **JOINTLESS APPLICATION**

Among the many features of Diathonite, one of the most important ones is the possibility of having a jointless application done

Private villa, Leiria **Aires Mateus** 


# JOINTLESS APPLICATION

Private villa, Leiria **Aires Mateus** 





#### JOINTLESS APPLICATION







#### Aplicação de revestimente térmico sobre coberturas

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#### SMOOTHERS

**Argacem Coloured** is a natural-based smoother for exteriors, it is water repellent and very permeable, with a texture of 1.2 mm that can be applied directly onto plasters :

121112451201704

Diathonite Thermactive Diathonite Evolution Diathonite Sismactive Diathonite Deumix<sup>+</sup>





### SMOOTHERS

Argatherm is a lime-based smoother that has thermal properties and is very permeable, used to finish systems made up of plasters:

Diathonite Thermactive Diathonite Evolution Diathonite Sismactive Diathonite Deumix<sup>+</sup>

Texture: 0-0,6 mm λ = 0,128 W/mK





#### SMOOTHERS

Argacem Ultrafine is a completely smooth plaster for both interior and exterior applications, and needs to be applied on a base made with Argatherm



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TANK

ALC: NOT THE OWNER.



The combination between cork, with its the natural acoustic properties, and the acoustic barrier created by the static air in the cells and cavities turns **Diathonite Acoustix**<sup>+</sup> into the most versatile solution to improve the acoustic **comfort** of a building

Noise reduction coefficient NRC = 0.75 \* Acoustic absorption [600 – 1500 Hz] α > 80% \* Consumption Density **Reaction to fire Breathability** 

4,00 kg/sqm \*\* 400 kg/m<sup>3</sup> **Euroclass A1**  $\mu = 4$ 

> \* considering 30 mm of thickness \*\* considering 10 mm of thickness



Increase in the Sound Insulation Rating Index (R<sub>w</sub>) compared to traditional plaster

dB

3

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Verifica DPCM 15/12/97

Valore richiesto: >- 40 dB

Calegoria A: edifici edibiti e repidenza o essimilabă

The higher the acoustic insulation value, the better the barrier the material can provide against noise and a difference of **3 dB** is an impressive value in terms of acoustic insulation



VERIFICATO

vista tridimonsionale



**Diathonite Acoustix**<sup>+</sup> performs best when exposed to the frequencies of the human voice, in the range from 400 Hz to 5000 Hz

It is easy to see how its sound absorption property increases until reaching an alpha value of 0.82 at 1250 Hz

This means that at this frequency, the 30 mm of Diathonite Acoustix<sup>+</sup> will absorb 82% of the sound waves, and the remaining 18% will be transmitted and reflected, guaranteeing a high level of improvement in acoustic comfort

Frequency (Hz)	100	125	160	200	250	315	5 40	0 50	630	800	1000	1250	
αs	0,21	0,17	0,3	1 0,6	8 0,6	2 0,6	7 0,6	9 0,7	3 0,72	0,75	0,79	0,82	
α <sub>P</sub>	0,25			0,65				0,70			0,80		
	Fr	equen (Hz)	icy	1600	2000	2500	3150	4000	5000				
	as		as (	0,76	0,77	0,66	6 0,61	0,58	0,60				
	αp		j	8	0,75			0,60					



The sound absorption property and noise reduction coefficient of Diathonite Acoustix<sup>+</sup> may vary according to the type of finish given to the material; in order to reach the highest value, **it is recommended to leave the surface of the plaster porous-open and rough** 

**DIATHONITE ACOUSTIX**<sup>+</sup> WITHOUT ANY OTHER COATING

NRC 0.75 (30 mm of thickness)





The sound absorption property and noise reduction coefficient of Diathonite Acoustix<sup>+</sup> may vary according to the type of finish given to the material; it is possible to over-paint the graycoloured surface of Diathonite with a natural, breathable and lime-based paint which slightly lowers the final NRC value

**DIATHONITE ACOUSTIX**<sup>+</sup> PAINTED WITH LIMEPAINT

NRC 0.70 (30 mm of thickness)



![](_page_45_Picture_5.jpeg)

The sound absorption property and noise reduction coefficient of Diathonite Acoustix<sup>+</sup> may vary according to the type of finish given to the material; it is possible to get a smoother finish by covering Diathonite with the lime-based skim coat smoother Argatherm Acoustix, which gives a fine-textured finish and

DIATHONITE ACOUSTIX<sup>+</sup> WITH SKIM-COAT SMOOTHER ARGATHERM ACOUSTIX

**NRC 0.65** (30 mm of thickness of Diathonite + 3 mm of thickness of Argatherm Acoustix)

![](_page_46_Picture_4.jpeg)

![](_page_46_Picture_5.jpeg)

Endless possibilities of applying Diathonite over different shapes and substrates, including ceilings

a presentation over the second street within the

ILLER STATE AND A STRATE

14(+)

Cucina Torcicoda Restaurant, Florence Luigi Fragola

![](_page_47_Picture_5.jpeg)

![](_page_48_Picture_1.jpeg)

![](_page_48_Picture_2.jpeg)

![](_page_49_Picture_1.jpeg)

![](_page_49_Picture_2.jpeg)

The cellulose fibers inside the composition of Diathonite allows a safe and jointless application onto ceilings as well, with a great stability and adhesion to the substrate

Campo das Cebolas, Lisbon **Carrilho da Graça Arquitetos** 

![](_page_50_Picture_3.jpeg)

![](_page_50_Picture_4.jpeg)

#### DIATHONITE THERMOSTEP.047, THE LIGHTEST THERMAL SCREED

![](_page_51_Picture_1.jpeg)

#### Diathonite Thermostep.047 is

the lightest thermal and acoustic screed on the market. It can be easily used with a minimum thickness of just 1.20 inch and it is perfect to renovate old floors and to save costs in the building of new ones

Thermal Conductivity Mechanical resistance Consumption Density Fire reaction Breathability λ = 0,047 W/mK M5 3,90 kg/sqm\* 380 kg/m<sup>3</sup> Euroclass A1 μ = 4

\* considering 10 mm of thickness

![](_page_51_Picture_7.jpeg)

#### DIATHONITE THERMOSTEP.047, THE LIGHTEST THERMAL SCREED

![](_page_52_Picture_1.jpeg)

- 1. Roofs
- 2. Attics
- 3. Balconies and terraces
- 4. Floor slabs
- 5. First floors
- 6. Underground floors

![](_page_52_Figure_8.jpeg)

A traditional screed solution on the balcony slab creates a thermal bridge

#### **Diathonite Thermostep.047** is able to resolve the problem of the thermal bridge, creating a specific barrier against cold and heat to protect the building from mould and

- IASEN

WWW.DIASEN.COM

condensation

Diathonite is the best to make a robust, light and jointless insulation onto roofs: it does not overcharge the building and at the same time it protects the building from cold and heat

![](_page_53_Picture_2.jpeg)

Diathonite is the best to make a robust, light and jointless insulation onto **floors**: it is suitable to be used as a light-weight insulation **screed**, with a reduced density but ensuring at the same time the correct compression and mechanical resistances

ERPI, Castro Marim Ternullomelo Architects

![](_page_54_Picture_3.jpeg)

![](_page_54_Picture_4.jpeg)

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ERPI, Castro Marim Ternullomelo Architects

![](_page_55_Picture_2.jpeg)

![](_page_55_Picture_3.jpeg)

I. Bernet

Manual Distance

NIU Houses, Valencia **Fran Silvestre** 

![](_page_56_Picture_2.jpeg)

![](_page_56_Picture_3.jpeg)

#### DECORK ALFAREFLEX, THE WHITE CORK PAINT FOR SOLAR REFLECTION

![](_page_57_Picture_1.jpeg)

**Decork Alfareflex** responds to a growing demand in the architecture and construction industry: **to improve living comfort during the summer**, as environmental overheating represents a serious global threat that spreads everywhere

**Decork Alfareflex** is enriched with glass and ceramic spheres that can reflect almost 100% of the sun's rays, reducing heat input and therefore electricity consumption for air conditioning

![](_page_57_Picture_4.jpeg)

![](_page_57_Picture_5.jpeg)

#### DECORK ALFAREFLEX, THE WHITE CORK PAINT FOR SOLAR REFLECTION

![](_page_58_Picture_1.jpeg)

A traditional paint with a high level of absorption will not make any barrier against UV rays, helping to increase the interior temperature

![](_page_58_Picture_3.jpeg)

**Decork Alfareflex** reflects almost 100% of the sun's rays, meaning the interior temperature will be visibly more moderate and lower compared to a building without reflective paint

![](_page_58_Picture_5.jpeg)

![](_page_58_Picture_6.jpeg)

#### **DECORK ALFAREFLEX, THE WHITE CORK PAINT FOR SOLAR REFLECTION**

![](_page_59_Picture_1.jpeg)

![](_page_59_Picture_2.jpeg)

**Decork Mediterraneo** was born from the ancient *cocciopesto* paints, combininig **clay** with another pure Mediterranean raw material: **cork** 

The inspiration for the colours comes from the Mediterranean nature and from the typical colours of the towns and villages of the Mare Nostrum

The result is a unique **biophilic paint**, with a fine texture, which can provide several features and benefits

- . Great thermal behaviour
  . The surface where it is applied
  does not suffer from overheating
  . Flexibility 195%
- . Repellency to rain water
- . Breathability  $\mu$  = 7
- . Increase of the indoor wall temperature

![](_page_60_Picture_8.jpeg)

![](_page_60_Picture_9.jpeg)

Decork Mediterraneo contains fine, smooth cork powder from other production cycles, making it a 100% circular and recycled material

**Clay** is the second ingredient, which gives the paint a high level of resistance and permeability

The natural wax unites cork and clay, ensuring a high level of flexibility and total water repellency

![](_page_61_Picture_4.jpeg)

![](_page_61_Picture_5.jpeg)

**Decork Mediterraneo** is suitable for external applications, thanks to its water repellency provided by the special wax contained in the material and the natural flexibility of cork

![](_page_62_Picture_2.jpeg)

![](_page_63_Picture_1.jpeg)

![](_page_63_Picture_2.jpeg)

**Decork Mediterraneo** is suitable for applications on walls and floors of internal buildings, to create a unique natural aesthetic effect

![](_page_64_Picture_2.jpeg)

![](_page_64_Picture_3.jpeg)

![](_page_65_Picture_1.jpeg)

![](_page_65_Picture_2.jpeg)

It is possible to combine different colors and application forms to create effects and textures

![](_page_66_Picture_2.jpeg)

**Decork Mediterraneo** provides a unique, flexible and jointless system also for floors and walls in damp areas, thanks to the perfect combination of paint with a specific waterproofing layer and a transparent, water-based final protection

![](_page_67_Picture_2.jpeg)

![](_page_68_Picture_1.jpeg)

![](_page_68_Picture_2.jpeg)

The new frontier in the world of design is to use innovative and sustainable products to cover furniture, to have unique and biophilic objects; **Decork Mediterraneo** is the perfect paint for this purpose

# OPINION CIATTI'

![](_page_69_Picture_3.jpeg)

The new frontier in the world of design is to use innovative and sustainable products to cover furniture, to have unique and biophilic objects; **Decork Mediterraneo** is the perfect paint for this purpose

![](_page_70_Picture_2.jpeg)

![](_page_70_Picture_3.jpeg)

#### **BEYOND LIMITS**

# Architecture is a matter of art, something that generates an emotion

Le Corbusier

![](_page_71_Picture_3.jpeg)
# Data Center, Covilhã **Carrilho da Graça Arquitetos**

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#### Data Center, Covilhã **Carrilho da Graça Arquitetos**



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Waterfront complex, Belgrade Masinoprojekt











Cruise Terminal, Lisbon **Carrilho da Graça Arquitetos** 

A DE MARINE

THE OWNER CARDING AND ADDRESS OF TAXABLE PARTY.

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WWW.DIASEN.COM

Carton I

# Cruise Terminal, Lisbon **Carrilho da Graça Arquitetos**





## Cruise Terminal, Lisbon **Carrilho da Graça Arquitetos**















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#### Esment headquarters, Palma de Mallorca Alfons Romero





Esment headquarters, Palma de Mallorca Alfons Romero

10100-002



#### 24 metro stations, Paris RATP Technical Department





## Alcazaba tunnel, Malaga **City Council Technical Department**



## Alcazaba tunnel, Malaga City Council Technical Department

74











Private passivhaus villa, Ibiza Alvaro Martinez-Gil

16





Private passivhaus villa, Ibiza **Alvaro Martinez-Gil** 

\* . .

10

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Private passivhaus villa, Ibiza Alvaro Martinez-Gil











54 nzeb social housing apartments, Inca Alventosa Morell + Joan Fortuny



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#### Monastery of Jesus, Setúbal **Carrilho da Graça Arquitetos**





Monastery of Jesus, Setúbal **Carrilho da Graça Arquitetos** 





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#### Monastery of Jesus, Setúbal **Carrilho da Graça Arquitetos**







Iberian Museum of Art and Archeology, Abrantes Carrilho da Graça Arquitetos



Iberian Museum of Art and Archeology, Abrantes Carrilho da Graça Arquitetos

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AVECA DADE NO. DERIVA ART OF THE MIDDLE AGES AND MODERN E



Historic-listed building, Rome Andrea Vittorini











Ombria Resort, Loulé **Promontorio** 







## Brú na Bóinne, Slane **Irish Office of Public Works**



Brú na Bóinne, Slane Irish Office of Public Works





Rubrics building, Trinity College, Dublin Pascall + Watston Architects & Carrig Conservation

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Private house, Scotland Simpson & Brown

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Cameron House, Loch Lomond **3D Reid** 

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## Francesco Marcelli

Global Development Manager