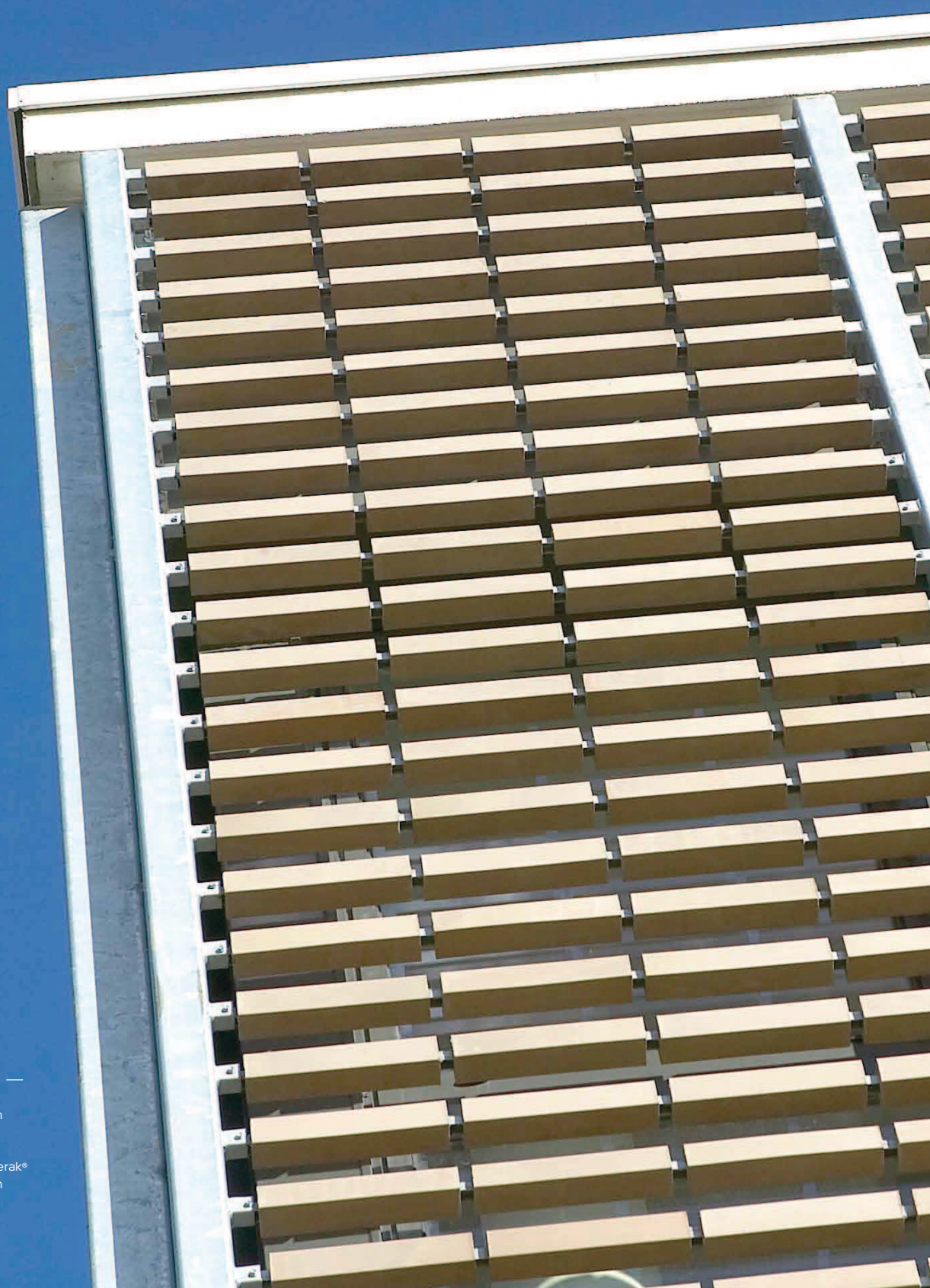
SMALL SUNSCREENS

Small sunscreens are an economical way to bring façades to life. Their versatility adds to all the others advantages of terracotta to implement sun protection, screening, or wall cladding in a playful format, which offers a wide range of architectural choices.



— EDF RENNES, FRANCE —

Architect : Jean-Pierre Meignan
Owner : EDF
Installer : SEO
Product : Autan® Pearl Grey and Piterak®
Spacing between rows : 10 cm

AUTAN®



AUTAN® ROUND



HARMATTAN®



ADVANTAGES

- Cost effective
- Effective sun protection
- Simple and fast installation
- Wide range or shapes and colours pixelated



Maximum segment length
31 cm

10 COLOURS

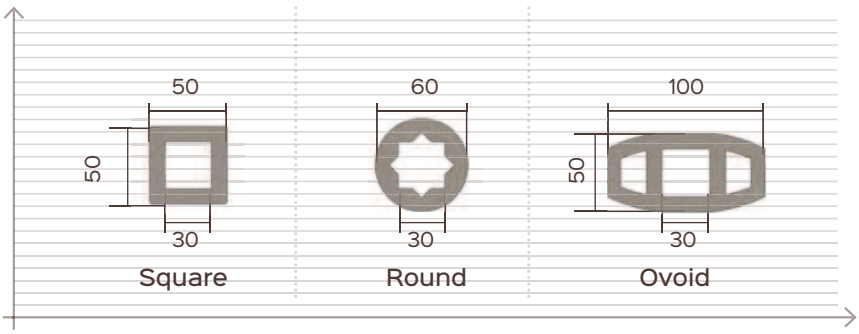


3 FINISHES



Smooth Sanded Glazed

3 SHAPES



LARGE SUNSCREENS

Thanks to their long lengths, these sunscreens offer a modern look to realize the full architectural creative potential. Installed vertically or horizontally to protect from sunlight or to decorate façades, they accommodate all types of projects and offer many options to express rich and lasting architectural ideas.



— **MUSÉ A CASA, SÃO PAULO, BRAZIL** —
Architect : Perkins + Will
Product : Autan® XL 12.Light grey

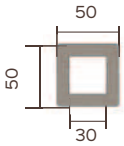


ADVANTAGES

- Large format for a modern aesthetic
- Effective sun protection
- Simple and fast installation
- Wide range of shapes and colours

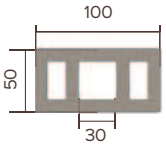
FACTORY RV

AUTAN® XL DROPLET



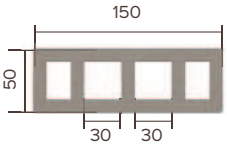
up to **120 cm**

ZONDA® XL 10 RV



up to **100 cm**

ZONDA® XL 15 RV



up to **150 cm**

13 COLOURS



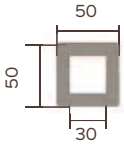
3 FINISHES



Smooth Sanded Glazed

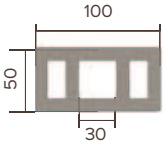
FACTORY ET

AUTAN® XL



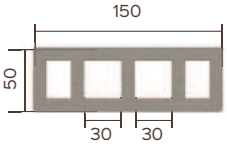
up to **120 cm**

ZONDA® XL 10 ET



up to **120 cm**

ZONDA® XL 15 ET



up to **120 cm**

13 COLOURS



2 FINISHES



Smooth Glazed

STANDARD SIZES

PRODUCT	SECTION mm H X L.	MAXIMUM LENGTH *cm*	WEIGHT /ml Kg
AUTAN®	50 x 50	31	3,2
AUTAN® Round	Ø 60	31	3,6
HARMATTAN®	50 x 100	31	6,6
AUTAN® XL Droplet	50 x 50	120	3,2
AUTAN® XL	50 x 50	120	3,2
ZONDA® XL 10	50 x 100	RV : 100 ET : 120	6,4
ZONDA® XL 15	50 x 150	RV : 150 ET : 120	8

H = Height; L = Length

SUPPORT SYSTEM

The TERREAL sunscreen system is easily assembled on site and quickly installed on an aluminium framework. Available in four sizes, the installation kit can adapt to all desired lengths by simply cutting the aluminium tube, and **can reach up to 180cm**.
Its modular design allows varying the centre spacing between sunscreen rows as well as their orientation. It can be installed either vertically or horizontally and offers total architectural freedom.

SYSTEM ADVANTAGES

- **Vertical upright centre spacing** up to 180 cm
- Vertical or horizontal **installation**
- **Fixed floor to floor** sub-frame profile
- **Versatility :** choice of spacing and length
- **Finish :** Anodized or coated with any RAL colour reference
- **Compatible** with all sunscreen products (except Shamal®)
- **Four standard modules :** 100, 120, 150 et 180 cm
- **Made of** aluminium or stainless steel



COMPONENTS OF THE **TERREAL FIXING KIT**

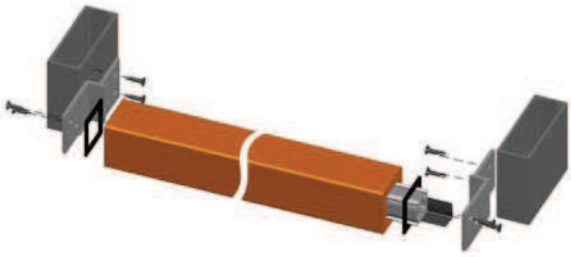
			 27 X 27					
	Standard module dim. *cm*	Number of sunscreen products	Tubes aluminium *cm*	Stabilizing device *cm*	End plates *Units / kit*	EPDM interfaces *Units / kit*	Mounting Screws *Units / kit*	Fixing screws *Units / kit*
AUTAN® AUTAN® ROUND HARMATTAN®	120	4 x 29,4	1 x 118,4	1 x 108	2	5	4	4
	150	5 x 29,4	1 x 148,4	1 x 128	2	6	4	4
	180	6 x 29,4	1 x 178,4	1 x 168	2	7	4	4
AUTAN® XL AUTAN® DROPLET	100	1 x 98	1 x 98,4	1 x 98	2	2	4	4
	120	1 x 118	1 x 118,4	1 x 108	2	2	4	4
	150	2 x 73,9	1 x 148,4	1 x 128	2	3	4	4
	180	2 x 88,9	1 x 178,4	1 x 168	2	3	4	4
ZONDA® XL 10	100	1 x 98	1 x 98,4	1 x 98	2	2	4	6
	120	1 x 118	1 x 118,4	1 x 108	2	2	4	6
	150	2 x 73,9	1 x 148,4	1 x 128	2	3	4	6
	180	2 x 88,9	1 x 178,4	1 x 168	2	3	4	6
ZONDA® XL 15	100	1 x 98	2 x 98,4	2 x 98	2	2	8	8
	120	1 x 118	2 x 118,4	2 x 108	2	2	8	8
	150	2 x 73,9	2 x 148,4	2 x 128	2	3	8	8
	180	2 x 88,9	2 x 178,4	2 x 168	2	3	8	8

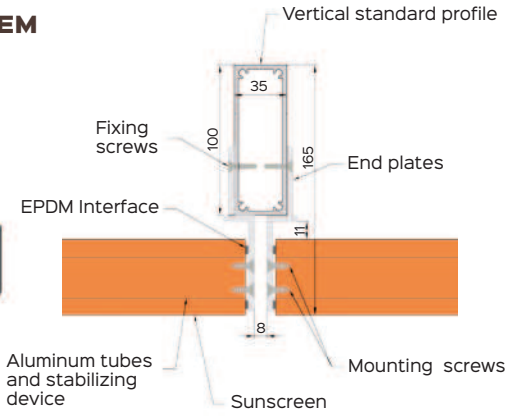
Support profiles are not included in kits



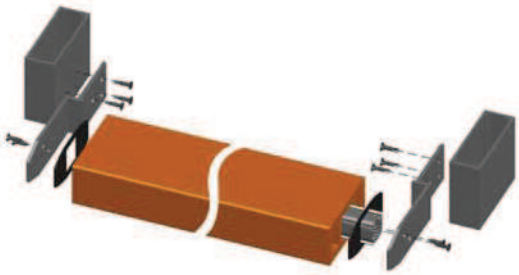
INSTALLATION **DETAILS**

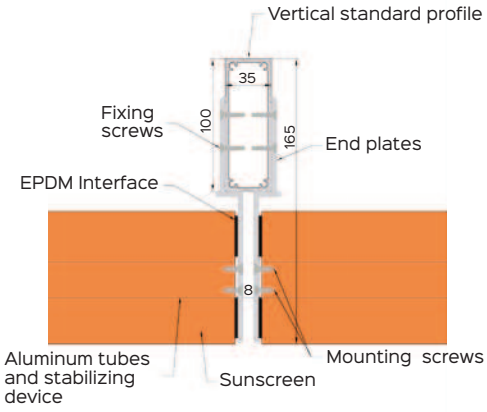
AUTAN®, AUTAN® ROUND, AUTAN® XL, AUTAN® XL DROPLET SYSTEM



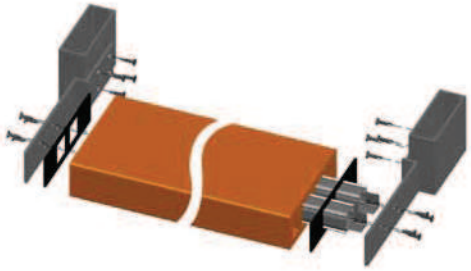


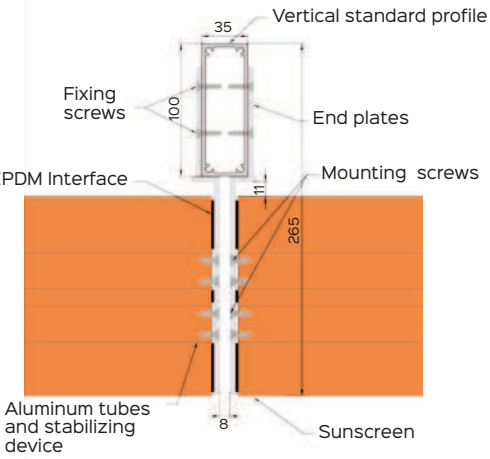
HARMATTAN®, ZONDA® XL 10 SYSTEM





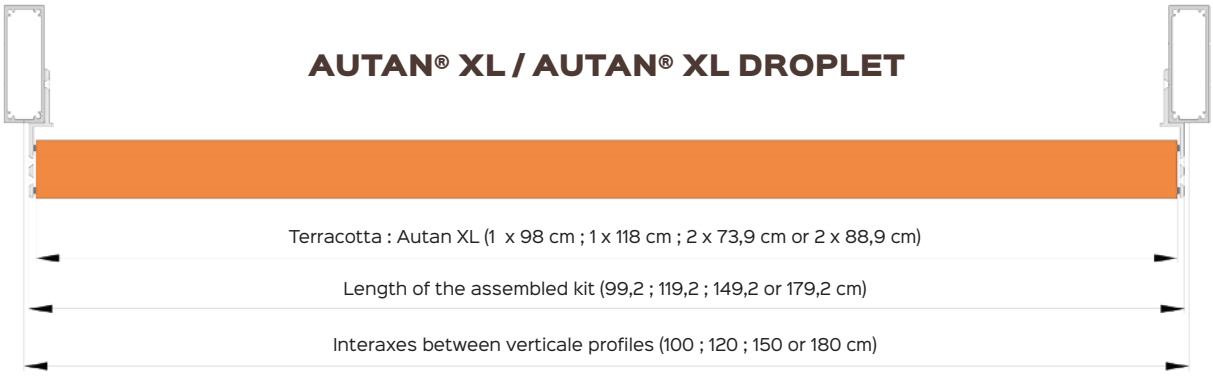
ZONDA® XL 15 SYSTEM



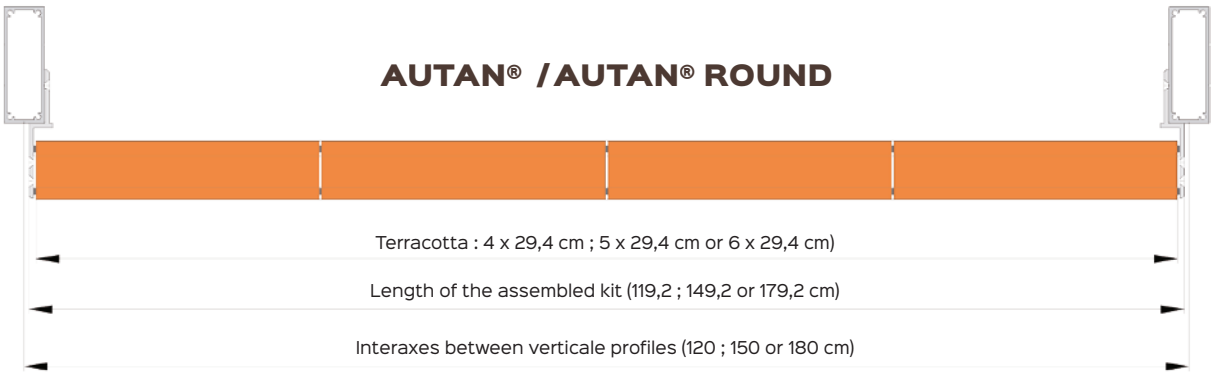


FIXING KIT
DIMENSIONS

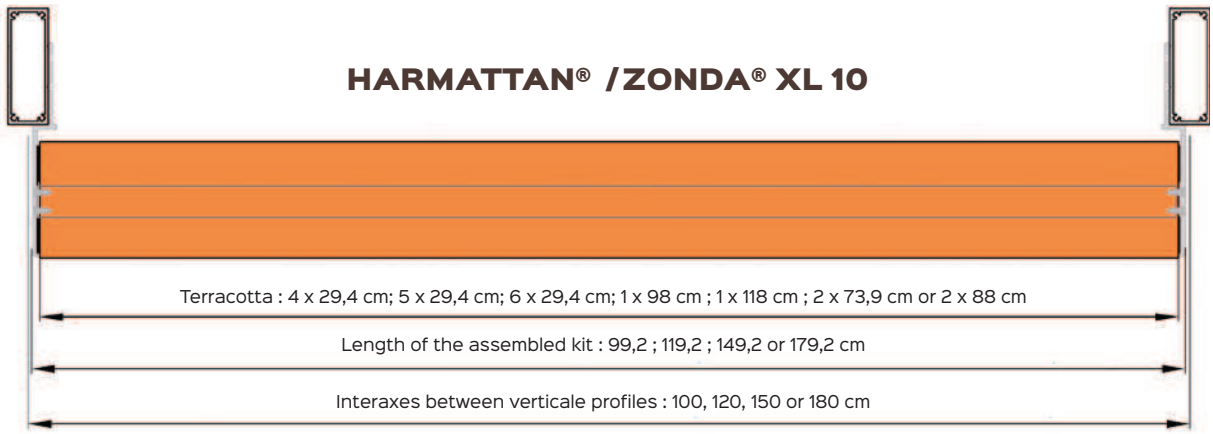
AUTAN® XL / AUTAN® XL DROPLET



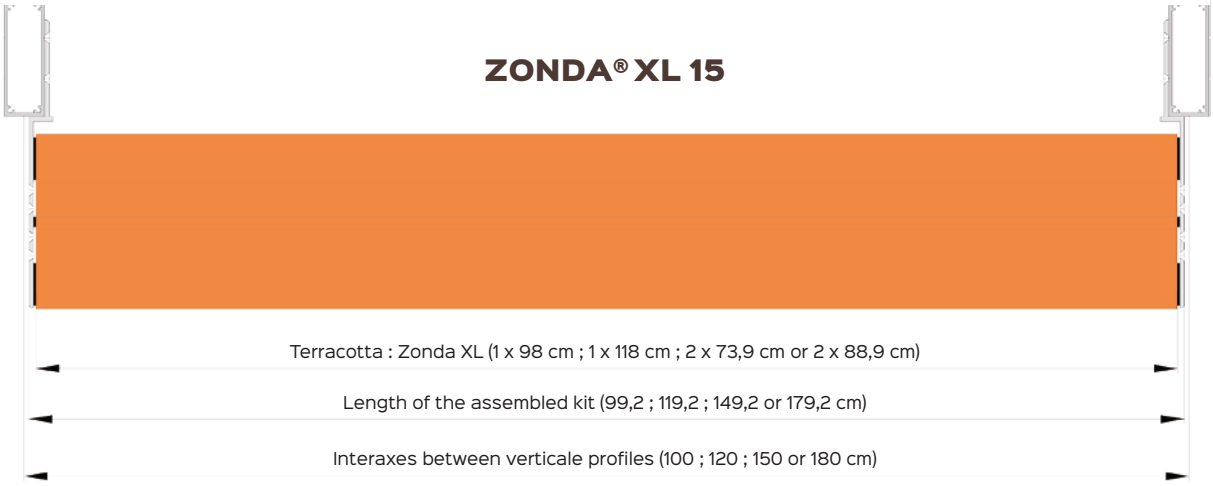
AUTAN® /AUTAN® ROUND



HARMATTAN® /ZONDA® XL 10



ZONDA® XL 15

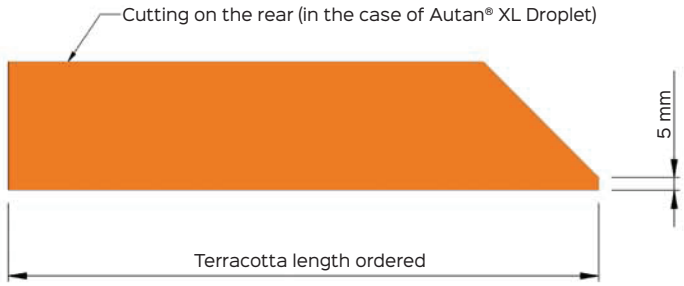


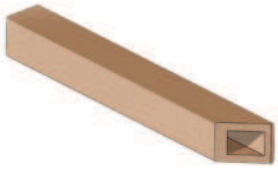
Other lengths are achievable please consult Terreal

DETAIL
CORNERS

ANGLE CUT

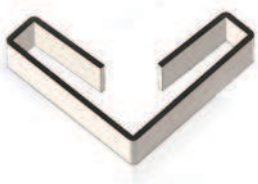
- 45° angle cut at factory is available (optional, on request)





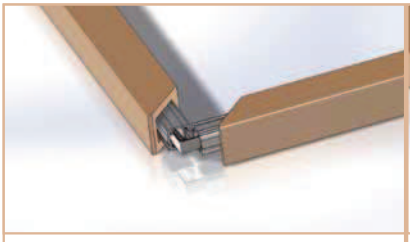
Example AUTAN®

FIXING ACCESSORIE

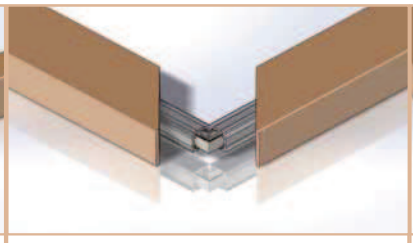


90° Inox bracket

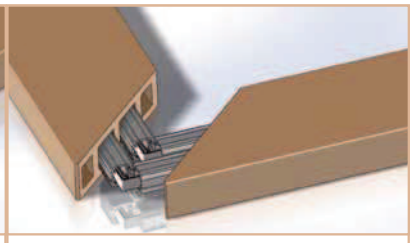
SAMPLE IMPLEMENATION



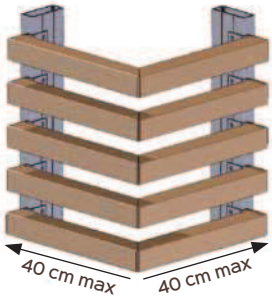
AUTAN®



ZONDA® XL10



ZONDA® XL15





— ANCONA RESIDENCE, VIA COLLE AMENO, ITALY —

Architect : Studio Brau
Product : Autan® Beige

SHAMAL®

Shamal® is a sunscreenbaguette providing an airfoil configuration cross section. It is available with an exclusive fastening system that includes all components required for a complete installation. It provides highly effective sunlight protection and thermal insulation for buildings.

The angle of inclination and spacing of the Shamal® baguettes may be customized to fulfill the requirements of the architectural design.



— ALBANO LAZIALE RESIDENCE, ROMA, ITALY

Architect : Studio Emanuele Duri
Product : Shamal® Red-Orange



Available factory assembled by TERREAL

ADVANTAGES

- Available factory assembled
- Effective sunlight protection
- The distinctive shape of an airplane wing
- Large choice of colours

Maximum length
129 cm

13 COLOURS

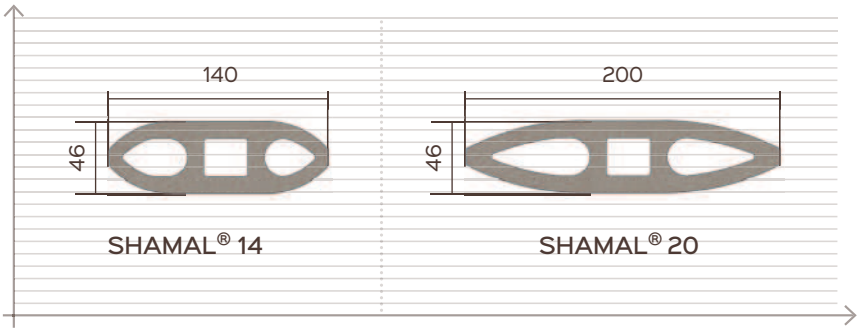


3 FINISHES



Smooth Sanded Glazed

2 SHAPES



CHARACTERISTICS

STANDARD SIZES

PRODUCT	SECTION H x L x w mm	WEIGHT /m² Kg	IMPACT RESISTANCE	WIND RESISTANCE
SHAMAL® 14	46 x 1290* x 140	7,4	-	1940 Pa (V3) or 244 km/h (wind tunnel test)
SHAMAL® 14 ASSEMBLED	46 x 1313* x 140	7,9	-	
SHAMAL® 20	46 x 1290* x 200	9,6	-	
SHAMAL® 20 ASSEMBLED	46 x 1313* x 200	10,7	Q3	

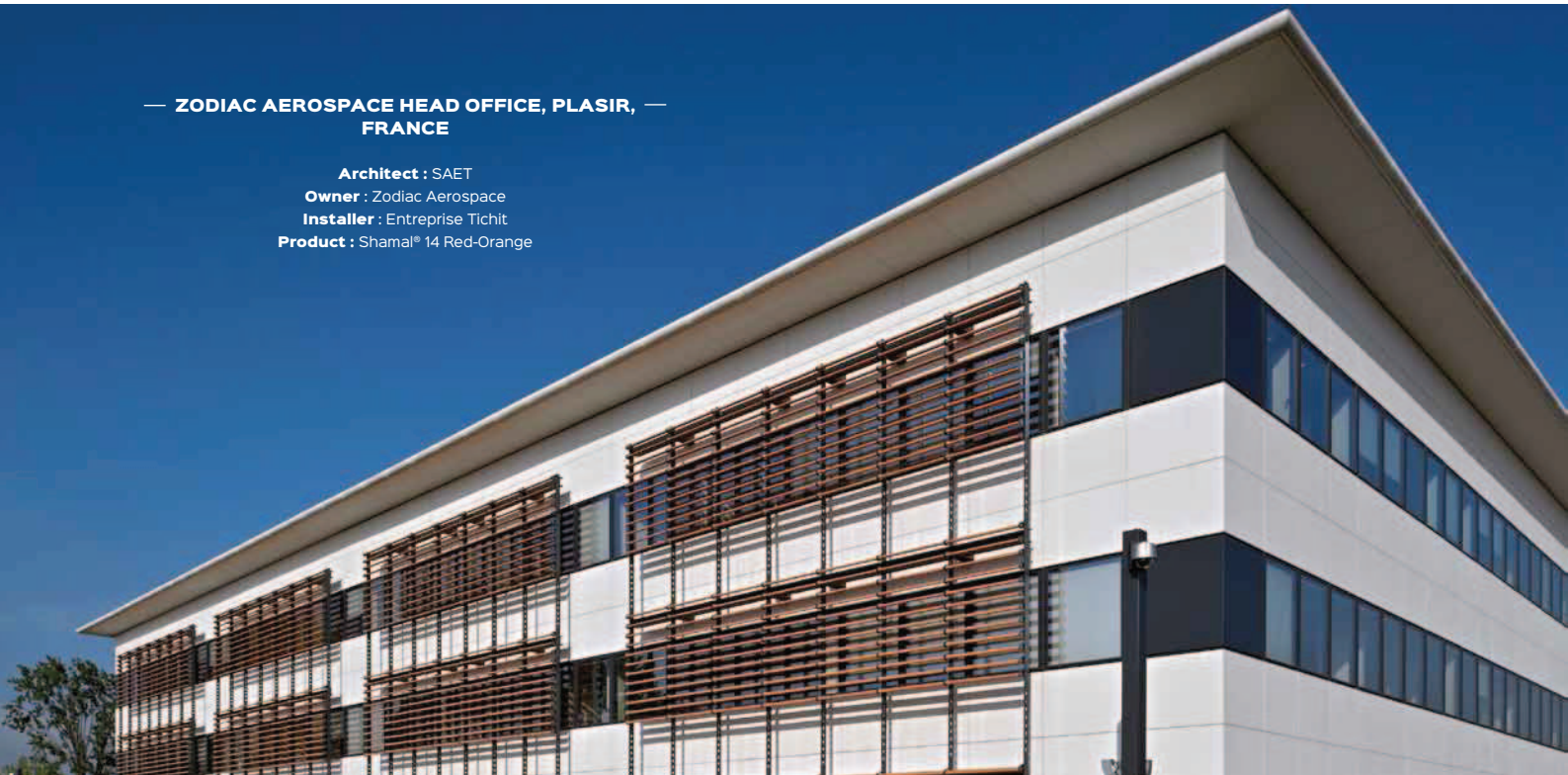
H = height; L: Length; W = Width
* Theoretical dimensions at close terracotta tolerances

SUPPORT SYSTEM

The Shamal® fixing system includes the Equipped Shamal® elements and the dedicated, spaced vertical support profiles. These dedicated vertical support profiles easily and properly position the assembled Shamal® sunscreens. They allow any orientation around the axis, and offer two possible Shamal® row spacing values (200mm or 300mm). Orientation is set at installation and does not allow changes to the rotation angle; this feature preserves the sunscreen's cohesion and keeps the products in place.

Equipped Shamal® 14 and Shamal® 20 are shipped pre-assembled by Terreal. They include a Shamal® terracotta baguette equipped with metal and rubber components and can be installed directly on a vertical framework that is also available from TERREAL.

Installing Equipped Shamal® on site is very easy, thanks to the system's dedicated notched profiles. These profiles are fixed to the wall using brackets or double brackets. Their position relative to each other and their verticality must comply with codes for installing wall cladding.



— **ZODIAC AEROSPACE HEAD OFFICE, PLASIR, FRANCE**

Architect : SAET
Owner : Zodiac Aerospace
Installer : Entreprise Tichit
Product : Shamal® 14 Red-Orange



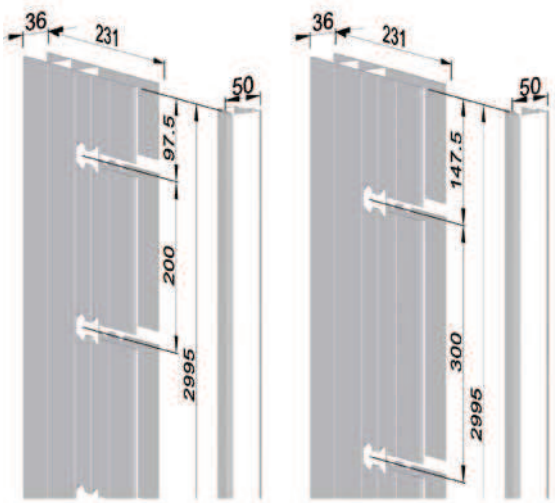
— MARENGO OFFICES, TOULOUSE —

Architect : Cabinet Philippe Vigneu et Serge Zilio
Owner : Bouygues Immobilier
Installer : Realco
Product : Shamal® 20 Red-orange

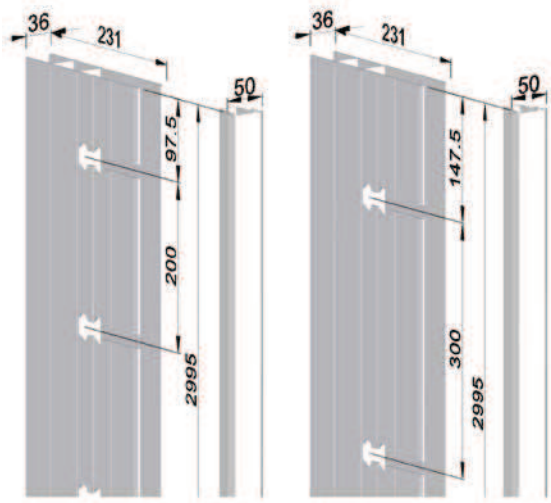
FIXING
KIT COMPONENTS

The 2.995m-long Shamal® vertical support profiles are available in field vertical profiles (perforations on both sides) and termination vertical profiles (perforation on one side) that receive the positioning bolt of the Shamal® suspension brackets. Each vertical profile is shipped with a finishing trim for installation on the front before the sunscreen elements are secured in place.

FIELD PROFILE

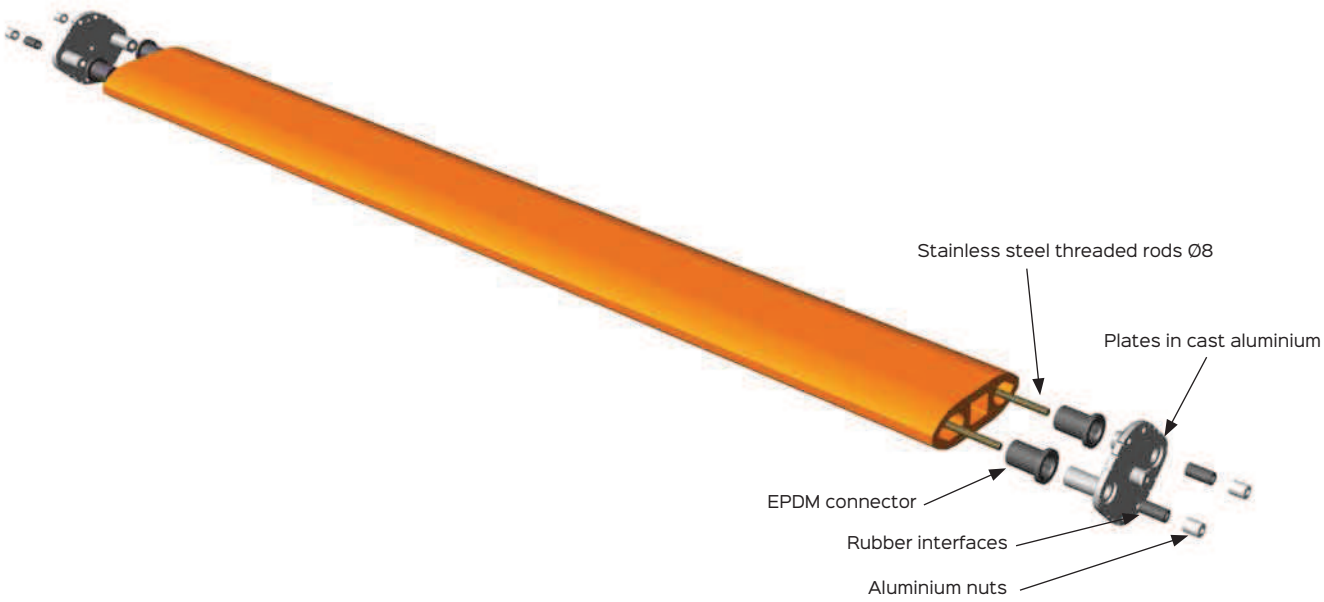


TERMINATION PROFILE



INSTALLATION **DETAILS**

Shamal® 14 or 20





— **TOWN HALL CHALANDS,** —
FRANCE

Architect : Lepinay
Owner : Commune de Challans
Installer : Pavageau
Product : Shamal® 20 Red-Orange

FIXING SYSTEM
DIMENSIONS

