



# iProfili

FLEXIBLE TRACKS AND STUDS  
FOR PLASTERBOARD

**The innovative  
Flexible System**

to give shape to your imagination!



## INDEX

- 4 Flexible system
- 5 Installation advantages
- 7 **COBRA** Flexible track
- 11 **CONCAVEX** Universal Stud
- 15 **BLEND** Flexible Lighting
- 17 Technical datasheets
- 22 Weight and dimensions



## I PROFILI

### Our Company

Thanks to the previous experience of the owner in the sector of dry construction and interiors-exterior finishing, **I Profili Srl**, founded in 2011, specialises in the production of **flexible zinc-coated steel profiles** for the construction of **curved plasterboard structures**.

Our products are **certified** and **patented** according to the European standards for walls and ceilings, and they are essential in curved plasterboard installations, such as curved walls, domes, barrel vaults, cross vaults, columns, arches, curved ceilings, etc.

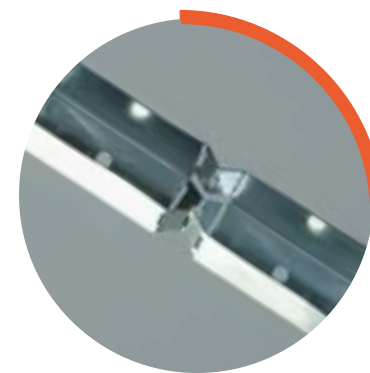
# The only limit?

## Your imagination!

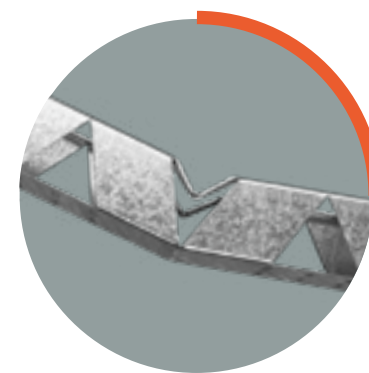
I Profili offers solutions that can be adapted to the design and the construction of unique details with an **innovative flexible system**, simplifying the realisation of refined decorations, reducing the time of installation and improving the final results.

Thanks to the range of I Profili's **patented** and **certified products**, you can easily create curved walls, domes, barrel vaults, cross vaults, columns, arches, curved ceilings, wavy ceilings, curved veils, made of plasterboard, and the only limit will be your imagination!

The **INNOVATIVE SYSTEM** is composed by:



Flexible track  
**COBRA**

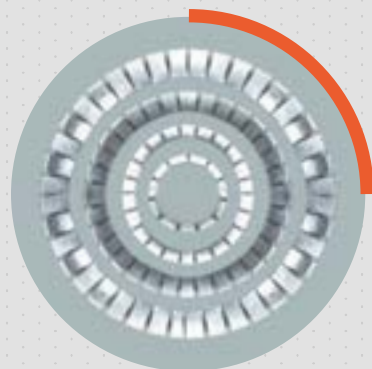


Flexible stud  
**CONCAVEX**

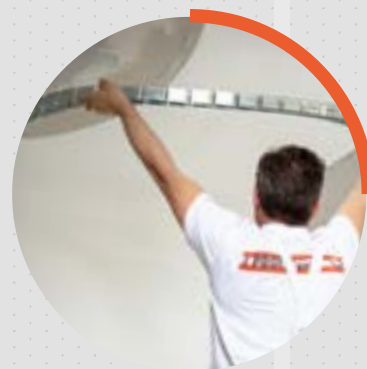


Flexible LED bar  
**BLEND**

### Installation **ADVANTAGES**



Profiles are so **flexible**, that they can realise curves of different radius, allowing an **easy creation** of suspended curved ceilings, domes, barrel vaults, cross vaults, wavy ceilings, etc.



They can easily be **bent by hand** in all directions. Once bent, they **keep the desired curvature**, and they do not need any additional fastening tools to strengthen the structure.



They can easily be bent by hand and fastened to the wall by **just one person**, reducing the installation time of all the curved structures with a significant cost savings of manpower.



The continuous surface of their structure always guarantees a **secure fixing** point for the screws and a perfect adherence of the sheets of plasterboard, reaching a clean and linear aesthetic result.





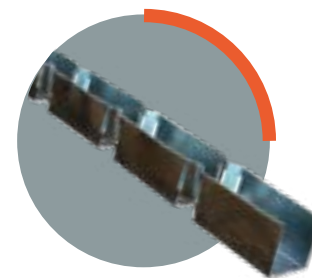
## COBRA

### Flexible track

**COBRA Flexible Tracks are deformable profiles essential for the realisation of curved walls and curved plasterboard ceilings.**

COBRA Tracks are products of innovative design that can be used to create curves of different radius in different shapes, and certified to **European standards 14195 and 13964** on framing components for walls and ceilings. In addition, they can be used as perimeter profiles and to provide starting points for the **CONCAVEX Flexible Stud**, enabling the creation of vaults and arched ceilings in a variety of styles.

**COBRA tracks** are made of **Z140 zinc-coated steel**, thickness 0.6 mm, and respond to **EN 10346** and **EN 10143 standards**. They have a A1 fire rating and are available in five different sizes:



#### COBRA 30 MM

30 x 28 x 3000 mm  
Thickness 0,6 mm



#### COBRA 50 MM

40 x 50 x 3000 mm  
Thickness 0,6 mm



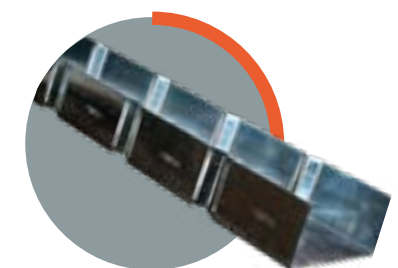
#### COBRA 70 MM

40 x 70 x 3000 mm  
Thickness 0,6 mm



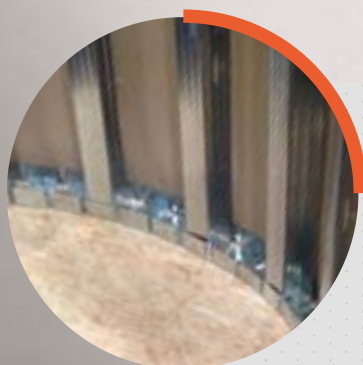
#### COBRA 75 MM

40 x 75 x 3000 mm  
Thickness 0,6 mm



#### COBRA 100 MM

40 x 100 x 3000 mm  
Thickness 0,6 mm



Standard vertical studs easily slide inside the COBRA Flexible tracks creating a curved wall and, once in the desired position, they **lock automatically perpendicularly**.



COBRA Track can create **curves of different radius**, even within the same curve, such as arches, semicircles, S-curves, curved partitions, curved walls etc.

Once fixed to the wall, the lugs of COBRA tracks can be bent to the **required angle**, to provide starting points for the CONCAVEX Flexible Stud, facilitating the creation of sloped ceilings, domes, vaults, curved and conical walls, etc.



The 30 mm COBRA track can be used as a **perimeter profile**, providing the starting point for the creation of curved ceilings with the help of the CONCAVEX Flexible Stud (wavy ceilings, barrel vaults, domes, etc.).







# CONCAVEX

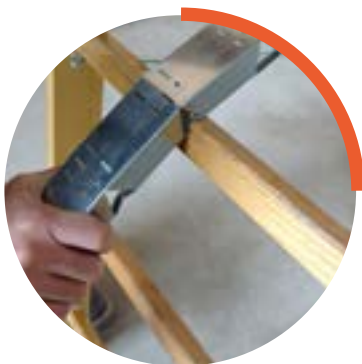
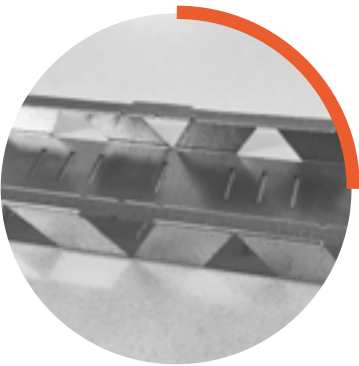
## Universal Flexible Stud

The CONCAVEX 60x27 mm Flexible Stud is a special profile for curved and false ceilings made of plasterboard.

The CONCAVEX profile is made of Z140 zinc-coated steel, thickness 0.6 mm and manufactured in accordance with European standards EN 10346 and EN 10143. CONCAVEX is certified to European standards EN 14195 and 13964 on framing components for walls and ceilings, and can be used in addition to COBRA 30 mm Flexible Track, which serves as a perimeter profile. The CONCAVEX stud has A1 fire rating.

### CONCAVEX STUD 60X27 MM

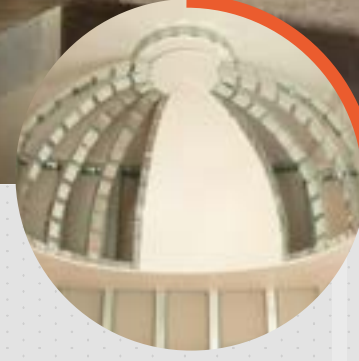
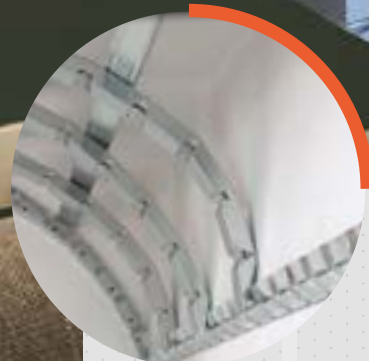
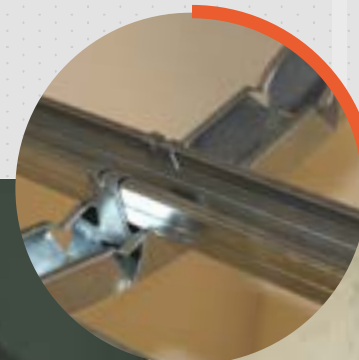
CONCAVEX has been designed for the creation of concave and convex elements such as domes, barrel vaults, cross vaults, curved ceilings, waves, cornices and claddings for ventilation ducts, beams, corners and columns, while also improving acoustics and ensuring an attractive visual impact. A UNIVERSAL PRODUCT that provides the ideal framing component for curved ceiling elements.



Its special structure greatly facilitates the creation of curved false ceilings, domes, barrel vaults, cross vaults, wavy ceilings, with different radii of curvature.

The CONCAVEX stud is easily **bent by hand**, requiring only one person.

Standard 60x27 mm accessories (channel hangers, straight connectors and spring hooks) can be used for the construction of plasterboard structures with our CONCAVEX Universal Stud. The structures are built with a **double metal framework**, utilizing channel hangers like those used for the installation of a flat false ceiling.



Just insert CONCAVEX Flexible Studs inside COBRA 30 mm Flexible Track (bent according to the desired angle), to connect the wall to the ceiling.

CONCAVEX 60X27 Flexible Studs guarantee a **perfect stability of the structure** and the required construction time are equal to those needed to create a flat false ceiling.

Thanks to the stability of the CONCAVEX Universal Stud and the optimum interax between members of the secondary structure, **the plasterboard sheets adapt faultlessly to the metal framework**, following the curvature exactly. The best way to ensure a perfect curvature is to use plasterboard sheets of 6 mm thickness; alternatively, moistening the sheets beforehand will facilitate bending.





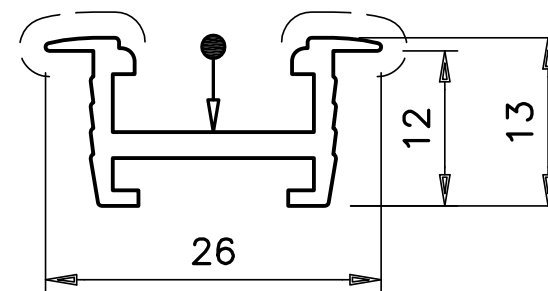
## BLEND

### Flexible Lighting

**BLEND** is a **flush flexible aluminum profile** ideal for lighting with LED stripes. It can be adapted and shaped to any type of support, a wall or a ceiling, even to create curving shapes. It is flexible and adaptable, which is why it can be a design applique or it can be hung up as a hanging chandelier.

**BLEND**, once easily installed, perfectly adheres to the sheet of plasterboard and this obtain an aesthetically pleasing and minimal result, called flush, following the trends of the moment.

The product is completed with several accessories, including 90 ° angles, linear connection joints and orthogonal joints, allowing the connection among the profiles.





**DATASHEET**  
**COBRA Flexible Track**

CHARACTERISTIC	VALUE	UNIT OF MEASUREMENT	REGULATIONS
Steel type	DX51D	-	EN10346
Fire reaction	A1	-	EN 14195
Thickness	0,6	mm	EN10143
Protective coating class	Z140	-	EN10346
Tensile enervation	300	N/mm <sup>2</sup>	EN10143
Storage	Protect from atmospheric agents		

NAME	DIMENSIONS	TECHNICAL DRAWING	
COBRA 30 mm	3000 x 30 x 28 mm min. radius 100 mm		
COBRA 50 mm	3000 x 50 x 40 mm min. radius 200 mm		
COBRA 70 mm	3000 x 70 x 40 mm min. radius 300 mm		
COBRA 75 mm	3000 x 75 x 40 mm min. radius 300 mm		
COBRA 100 mm	3000 x 100 x 40 mm min. radius 450 mm		

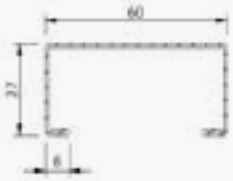
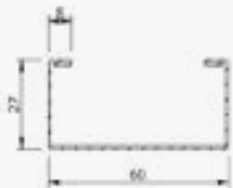


*The company I PROFILI SRL declines any responsibility for failing to respect the correct distances between the suspended structures (framework) and/or hangers (fixing elements to the main structure) in relation to the hung weight loads (coverings and other kinds of loads).*



DATASHEETS

CONCAVEX Flexible Stud

CHARACTERISTIC	VALUE	UNIT OF MEASUREMENT	REGULATION
Steel type	DX51D	-	EN10346
Fire reaction	A1	-	EN 14195
Thickness	0,6	mm	EN10143
Protective coating class	Z140	-	EN10346
Tensile enervation	300	N/mm <sup>2</sup>	EN10143
Storage	Protect from atmospheric agents		

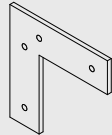
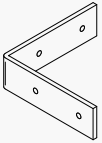
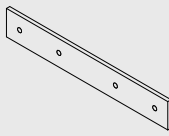
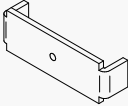
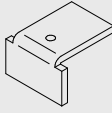
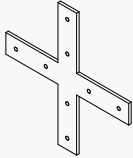
NAME	DESCRIPTION	DIMENSIONS	GALLERY
Concavex 60 x 27 mm	Universal stud for concave and convex curves. Possibility of bending in both directions depending on requirements.  Dimensions: 3000x60x27 mm Minimum radius: 110 mm	 	 

DATASHEET

BLEND

COMPONENTS	DESCRIPTION	DIMENSIONS
BLEND LED bar	flush flexible aluminum profile in which you can insert LED stripes	2000 m
Opaline cover diffuser	transparent plastic cover of the LED stripes	same lenght as the profile

BLEND Accessories

PHOTOGRAFIC RELIEF	COMPONENTS	DESCRIPTION	DIMENSIONS
	Angular joint	Flat Angular joint that allows the connection between two different bars, creating a flat corner	50 x 50 mm
	Orthogonal joint	Orthogonal joint that allows the connection between two different bars at 90°, connecting wall-ceiling	50 x 50 mm
	Linear joint	Linear joint that allows the connection of two different bars	100 mm
	Suspension accessory	Accessory that allows you to hang the profile as an hanging chandelier	50 mm
	End cap	Accessory that closes the profiles sideways	Same dimension of the aluminium profiles
	Cross joint	Accessory that allows the cross connection of four different profiles	110 x 110 mm

# WEIGHT AND DIMENSIONS

## Pallet

PRODUCT NAME	LENGHT CM	WIDTH CM	HEIGHT CM	VOLUME MC	N° LINEAR METRES	N° PIECES	N° CLUSTER	WOODEN PALLET WEIGHT KG	FULL PALLET WEIGHT KG
COBRA 30 mm	300	64	29	0,56	600	200	25	23	239
COBRA 50 mm	300	55	52	0,86	600	200	25	19,5	344
COBRA 70 mm	300	64	51	0,98	480	160	20	23	311
COBRA 75 mm	300	64	51	0,98	480	160	20	23	330
COBRA 100 mm	300	64	51	0,98	360	120	15	23	289
CONCAVEX 60 x 27 mm <small>NEW!</small>	300	55	44	0,73	576	192	24	19,5	327

## Clusters

PRODUCT NAME	LENGHT CM	WIDTH CM	HEIGHT CM	VOLUME MC	N° LINEAR METRES	N° PIECES	WOODEN PALLET WEIGHT KG	FULL PALLET WEIGHT KG
COBRA 30 mm	300	13	3,5	0,01	24	8	1,1	9
COBRA 50 mm	300	10,5	8	0,03	24	8	1,6	13
COBRA 70 mm	300	15	8	0,04	24	8	1,8	14
COBRA 75 mm	300	15,5	8	0,04	24	8	1,9	15
COBRA 100 mm	300	20,5	8	0,05	24	8	2,2	18
CONCAVEX 60 x 27 mm <small>NEW!</small>	300	14	5,5	0,02	24	8	1,6	13





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