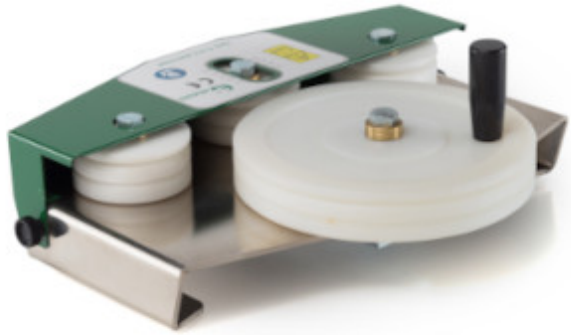
PROFLEX LINE

Bendable profiles



DESCRIPTION

Proflex Line is a line of bendable profiles for the installation of ceramic tile, wooden, carpet, laminate floors and other materials where there is the need to outline curvilinear surfaces.
These profiles are easily adaptable to the required curvatures thanks to the use of **Proflex Machine**.
ZGF, **AIF**, **ZNF** and **ZBGF** profiles can be bent without the use of **Proflex Machine**, after mechanical fixing to the ground through pressure screws

MATERIALS

Natural aluminium

Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The outer surface must be protected from scratches and rubbing. They present a strong resistance to chemical and atmospheric agents. When wet, concrete and its derivatives produce alkaline substances which can corrode metal (forming aluminium hydroxide) when allowed to react with the surface. For this reason, the visible surface of the profile must be quickly and delicately cleaned to remove any concrete, adhesive or grouting substances and detergents.

Anodized aluminum

Al-Mg-Si Alloy heat treated to T6 temper (6060 T6).
These profiles are made by extrusion and subsequently anodized with thickness ≥ 15 µm.
The external surface must be protected from scratches and rubbings. They are well-resistant to chemical and atmospheric agents. Cement and its derivatives produce, if wet, alkaline substances that, when left to act on the surface, can corrode metal (formation of aluminum hydroxide). For this reason, the side on sight of the profile must be cleaned delicately thoroughly from cements, adhesives, cleaners and caulking or stopping material.
As a result of wear and treading (when these profiles are used on flooring), anodized surfaces wear down, losing their original finish.

Bright aluminum

Al-Mg-Si Alloy heat treated to T6 temper (6463 T6).
These profiles are made by extrusion and subsequently treated and mechanically worked. They guarantee a discernible resistance to chemical agents. Cement and its derivatives produce, if wet, alkaline substances that, when left to act on the surface, can corrode metal (formation of aluminum hydroxide). For this reason, the side on sight of the profile surface must be cleaned thoroughly of cements, adhesives, cleaners and caulking or stopping material. Do not use profiles in high shine aluminum on floors and outdoors.

Colour-coated aluminum

Al-Mg-Si Alloy heat treated to T6 temper (6060 T6).
These profiles are made by extrusion and subsequently colour-coated. They present a discrete resistance to chemical and atmospheric agents, though they cannot handle mechanical stress, which damages the enamel surface; use of this material is not recommended for floors. Cement, adhesives cleaners and materials used for caulking and stopping must be immediately cleaned from the visible surface of the profile.

Stainless Steel

AISI 304 - DIN 1.4301
Featuring a substantial resistance to the principal chemical and atmospheric agents, lime and mortar, as well as adhesives for tiles and cleaning agents. Recommended for use even in the food industry, hospitals, pools, general exterior environments, etc.

Natural brass

Alloy CW624N UNI EN 12167
The profiles are made by extrusion.
Resistance to chemical agents and mechanical stress is good. Parts of the brass in contact with the air are subject to oxidation, producing a film on the surface. In the presence of extreme humidity or corrosive agents, brass will oxidise quickly and marks may appear on the surface. Where necessary, it can be restored to its natural state with abrasives or special polishes.

Chrome-plated brass

Alloy CW624N UNI EN 12167
The profiles are extruded and then chrome-plated. Resistant to UV, chemical and atmospheric agents. Do not use chrome-plated profiles in areas
subject to intense foot traffic.

General note on metals

Aluminum, Stainless Steel **AISI 304 - DIN 1.4301** and Stainless Steel AISI 316 - DIN 1.4404 are not resistant to all chemical compounds and it would thus be necessary to keep them away from particularly aggressive products such as hydrochloric acid (HCl) and phosphoric acid (H3PO4).
Products that can be used for cleaning stones, ceramics and stoneware, for example muriatic acid, ammonia, bleach or sodium hypochlorite damage the surface finish of the metal and may cause intense corrosive reactions. Therefore, it is necessary to always remove, and as fast and gently as possible, residues of cement, adhesives, cleaners and materials for caulking and stopping from the surface of profiles.
In case you used an adhesive tape to mask the profiles, we recommend to remove the tape within 1 hour.

LAYING

Laying instructions using adhesive

Remove the profile from the packaging.
Check that the thickness of the covering to be laid corresponds with the height of the selected profile (see the label).
Bend the profile with **Proflex Machine** until the desired radius is obtained.
Cut the extremities of the profile which are not bent.
Remove, wherever present, the protection (protective and/or shrink-wrapped film) covering the finish of the profile.
Verify the necessary length and cut the profile to the required measurement, using the proper tools.
With a toothed-spatula, spread the adhesive on the laying surface.
Place the profile in position and level it with the covering laid previously.
Lay the covering delicately, making sure it is flush with the profile and leaving the right space for a grout line (usually 1-2mm).
Fill any gaps left between the covering and the profile with a suitable grout.
Remove any excess grout, adhesive, solvents etc. with a soft sponge and water within ten minutes of application.

Laying instructions with PP/96 type adhesive (for Projoint T profiles)

Remove the profile from the packaging.
Bend the profile with **Proflex Machine** until the desired radius is obtained.
Cut the extremities of the profile which are not bent.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the profile to this length using an appropriate tool.
Place the profile, cut to the right length, in position and fix it to the laying surface with a suitable adhesive (such as PP/96), making sure that the support is free of dirt and perfectly clean.
Press and hold evenly along the length of the profile to make sure it bonds correctly to the laying surface.

Laying instructions with PP/96 type adhesive (for Metal Line 90 skirting boards)

Remove the skirting board from the packaging.
Bend the skirting board with **Proflex Machine** until the desired radius is obtained.
Cut the extremities of the skirting board which are not bent.
Where present, also remove any protection (protective and/or shrink-wrapped film) added to protect the finish.
Measure the length required and cut the skirting board to this length using an appropriate tool.
Place the skirting board, cut to the right length, in position and fix it to the support with a suitable adhesive (such as PP/96), making sure that the support is free of dirt and perfectly clean.
Press and hold evenly along the length of the skirting board to make sure it bonds correctly to the surface.

CARE AND MAINTENANCE

The care and maintenance of the materials used for the realization of these profiles are closely linked to the type of alloy and/or used finishing.
The instructions below describe the operations to which it must submit the profile in order to restore as much as possible its original appearance.
The intent of this is to provide all those general guidelines that can serve as guidelines in the choice of when and how to clean, but they will have to be checked case by case.
It must be underlined that there are already precise specifications responsibility at every stage of product life since its installation.

Aluminum

These need no particular maintenance and are easily cared for with colorless alcohol diluted in water or with normal detergents, though not acid-based products (e.g. hydrochloric or hydrofluoric acid). For cleaning tasks, a wide array of detergents coming in a variety of commercial brands and of numerous manufacturers are generally used. In general, there are three product types:

- Alkaline type
- Neutral type
- Acid type

For cleaning, neutral detergent diluted in water and a rinsing agent of solely water is recommended, using a sponge and/or non-abrasive cloth to prevent scratches and/or damage to the anodization, shine or varnish.
During cleaning, the following should be kept in mind:

- Do not use acid or alkaline detergents, since they can damage aluminum;
- Do not use abrasive products and/or materials;
- Do not use organic solvents on varnished surfaces;
- Do not use detergents with unknown chemical compositions;
- Do not apply detergents directly to the surface to be cleaned;
- Surfaces must be relatively “cold” when cleaning (Max. Temp = 30°C) and not exposed directly to sunlight;
- Detergents used for cleaning must be in turn “cold” (Max. Temp = 30°C) and spray devices must not be used.

In any case, the last phase of cleaning is always an adequate rinsing with water on the part that has been treated, followed immediately by drying with a soft cloth or rag. Maintenance with polishing products or similar is unnecessary.

Effect a quick and accurate cleaning of the profile, according to the indications on the product's packaging, in order to prevent possible cement deposits, caulking material or similar products that may end up attacking the surface layers.

Stainless Steel

The stainless surfaces can be polished with the adequate products, commonly found in stores. Stainless steel is easy to clean and extremely hygienic; its smooth and non-porous surface makes it especially difficult for the adhesion and survival of bacteria and/or other micro-organisms. Some simple guidelines are all that is required to keep steel surfaces perfectly cared for: it suffices to wash with hot water and soap, rinsing abundantly and drying with a soft cloth.
If the surface is exposed to atmospheric or aggressive agents, periodic cleaning of the stainless profile is recommended in order to keep the surface unaltered and prevent the onset of corrosion. On brushed finish surfaces, always clean in the direction of the grain and never across it. For scratches, use a detergent/polish suitable for stainless steel and a soft cloth.
Under no circumstances should the following be used for cleaning:

- detergents containing hydrochloric acid (muriatic acid), hydrofluoric acid or bleach; avoid direct contact on the surface of detergents containing chlorine, unless the contact time is brief and followed up by an immediate rinsing with abundant amount of water;
- detergents in abrasive powder form that could damage the surface finish of the profile.

Avoid allowing objects and tools in common steel (e.g. brushes or steel wool normally used to remove residual mortar or similar products) to come into contact with profiles in stainless steel for a prolonged period, otherwise they could transfer ferrous particles (contamination), causing the appearance of rust stains on the surface. Prevent humid pieces of material or sponges to lay for a prolonged period of time in contact with the stainless steel surface in order to prevent unsightly water stains.

Brass

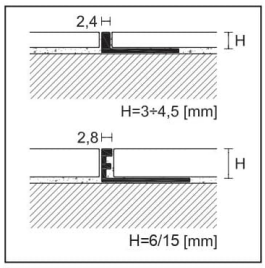
These need no particular maintenance and are easily cared for with alcohol diluted in water or with normal detergents, though not acid-based products. For cleaning, neutral detergent diluted in water and a rinsing agent of solely water is recommended, using a sponge and/or non-abrasive cloth to prevent scratches and/or damage to the surface. Use non-abrasive sponges or cloths to avoid scratching the surface. For maintenance, a normal commercial polish should be used.

FIRE CONTROL MEASURES

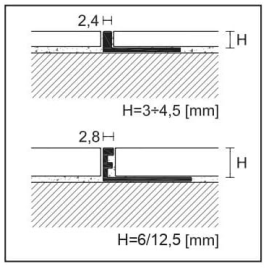
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

NOTES

These profiles must be handled with care, taking the necessary steps to use suitable gloves to prevent wounds such as cuts to the hand.
All indications and instructions here have come from our own experience to be understood as purely informative and will have to be confirmed through exhaustive practical experience. Profilpas will not be held responsible for any personal injury or material damage from improper use of the product.
The user is responsible for establishing whether the product is suitable for the task and likewise must assume all responsibility for incorrect laying of material.



ZGF/

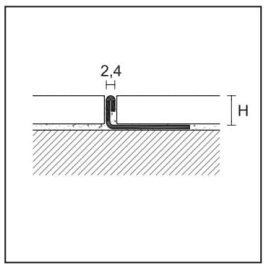


ZNF/

PROANGLE FLEX PRO FLEX LINE

length = 270 cm - pack 20 pcs			H						
ART.	**finishing**		**3**	**4,5**	**6**	**8**	**10**	**12,5**	**15**
ALUMINIUM									
ZGF/	natural aluminium		88720	88721	88722	88723	88724	88725	88726
BRASS									
ZNF/	natural brass		88701	-	88703	88704	88705	88706	-
length = 270 cm - pack 10 pcs									
STAINLESS STEEL									
AIF/	stainless steel AISI 304 DIN 14301		-	-	91622	91623	91624	91625	-

Proangle Flex is available in other heights on request.

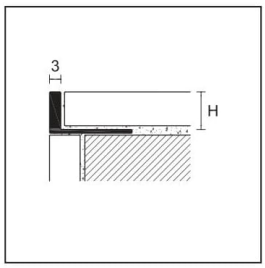


AIF/

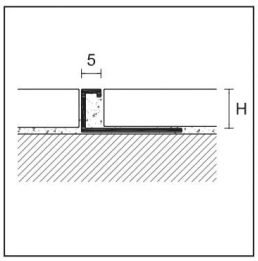
PROANGLE FLEX PRO FLEX LINE

length = 270 cm - pack 20 pcs			H					
ART.	**finishing**		**8**	**10**	**12,5**	**15**	**20**	**22,5**
ALUMINIUM								
ZBGF/	natural aluminium		90011	90013	90015	90017	90019	90021

individually packed



ZBGF/

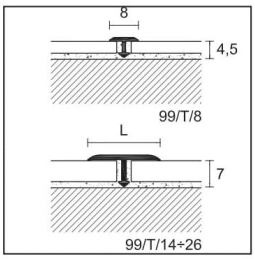


DJAF/
DJNF/

PRODECOR DJ FLEX PRO FLEX LINE

length = 270 cm - pack 10 pcs			H				
ART.	**finishing**		**8**	**10**	**12,5**	**15**	**20**
ALUMINIUM							
DJAF/	silver anodised		-	95685	95689	-	-
BRASS							
DJNF/	natural brass		-	95695	95699	-	-

individually packed
DJAF/ and DJNF/ are available in 8, 15 and 20 mm height on request, with a minimum order of 100 pcs for each code.

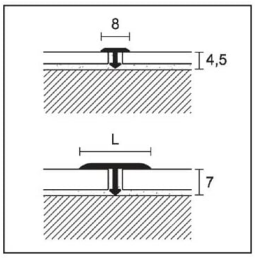


99/T/
399/T/
399/TC/

PROJOINT T PRO FLEX LINE

length = 270 cm - pack			50 pcs	50 pcs	30 pcs	20 pcs
	width		**8**	**14**	**20**	**26**
ART.	**finishing**					
ALUMINIUM						
	silver anodised		75075	75080	63600	75082
	gold anodised		-	75083	75084	75085
99/T/	titanium anodised		-	75099	-	-
	colour-coated anthracite grey RAL 7016		-	75091	-	-

individually packed



399/T/
399/TC/

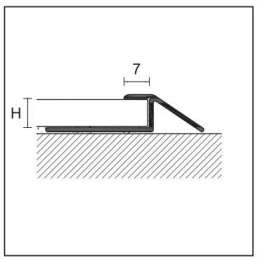
PROJOINT T PRO FLEX LINE

length = 270 cm - pack			50 pcs	20 pcs	20 pcs	20 pcs
	width		**8**	**14**	**20**	**26**
ART.	**finishing**					
BRASS						
399/T/	polished		75070	75087	75090	75088
	pack		30 pcs	30 pcs	-	10 pcs
399/TC/	chromium plated		75071	75086	-	75089

individually packed



PLAF/10 silver anodised aluminium

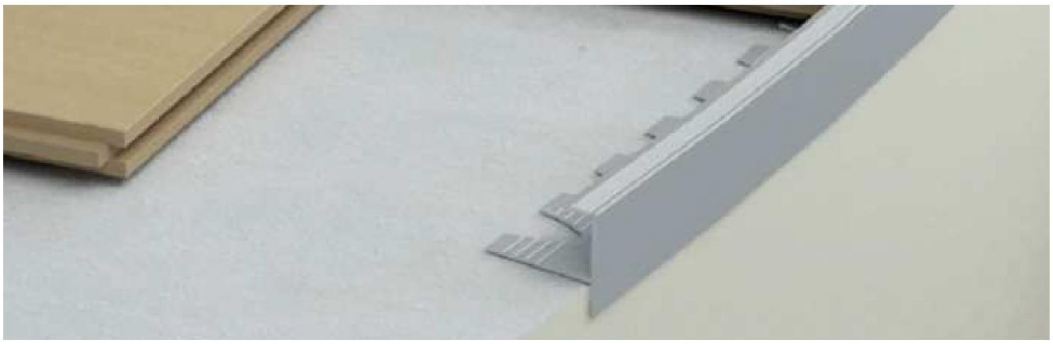


PLAF/

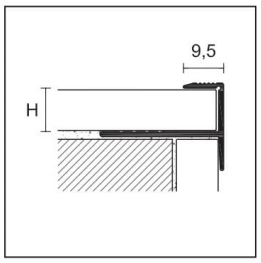
PRONIVEL FLEX PRO FLEX LINE

length = 270 cm - pack 10 pcs			H	
ART.	**finishing**		**8**	**10**
ALUMINIUM				
PLAF/	silver anodised		93190	93192

individually packed



GF/710 silver anodised aluminium



GF/

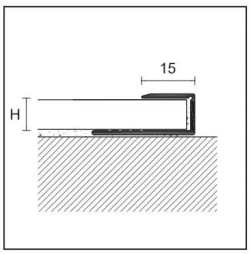
PROSTEP FLEX PRO FLEX LINE

length = 270 cm - pack 10 pcs		H	
ART.	**finishing**	**10**	**15**
ALUMINIUM		**710**	**715**
GF/	silver anodised	67569	67350

individually packed



RCF/ silver anodised aluminium

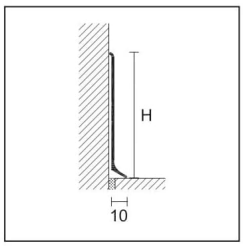


RCF/

TERMINAL FLEX PRO FLEX LINE

length = 270 cm - pack 10 pcs		H	
ART.	**finishing**	**9**	**11**
ALUMINIUM			
RCF/	silver anodised	67712	67714

individually packed



Metal Line 90 can be curved by using Proflex Machine + wheels kit for Metal Line 90

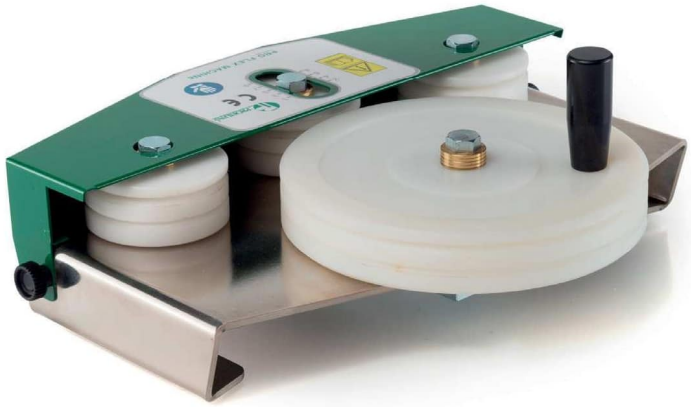
METAL LINE 90 PRO FLEX LINE

length = 200 cm- pack 25 pcs			H cm					
ART.	finishing		4	5	6	7	8	10
ALUMINIUM								
	silver anodised		78080	78084	78100	78138	78130	78137
	colour-coated polished white RAL 9010		-	-	78112	-	-	-
	colour-coated matt white RAL 9010		-	-	78110	-	-	-
90/ SF	titanium anodised		-	-	78103	-	-	-
	colour-coated anthracite grey		-	-	78118	-	-	-
	colour-coated ancient grey		-	-	78119	-	-	-
90/ A	self-adhesive silver anodised		-	-	78106	-	78136	-
90/ TSF	bright polished titanium		-	78087	78111	-	78141	-
90/ SSF	bright satin silver		78082	-	78105	-	78133	-
	bright satin gold		-	-	78107	-	78135	-
90/ TMSF	bright satin titanium		78088	-	78102	-	78134	-
	TREND COLOR STONE							
90/ SF	colour-coated white stone		-	-	78094	-	-	-
	colour-coated black stone		-	-	78099	-	-	-
ANTIBACTERIAL COLOUR-COATED ALUMINIUM								
90H/ SF	colour-coated white RAL 9003 antibacterial		-	-	78104	-	-	-

individually packed

90/4SF, 90/5SF, 90/6SF and 90/8SF in silver anodised aluminium, available also in length 400 cm

Proflex machine is a machine designed and built to model the profiles with curvilinear shape of the proflex line produced by Profilpas. The machine contains a proper kit and more kits are available in case you need to bend the PLAF or Metal Line 90.



PROFLEX MACHINE - hand machine to bend proflex line profiles

PROFLEX MACHINE

ART.	description	
proflex	hand machine to bend profiles inside and outside	30022
30046	wheels kit with perforated side on the outside for PLAF	30046
30049	wheels kit with perforated side on the inside for PLAF	30049
30052	wheels kit for metal line flex 90/	30052



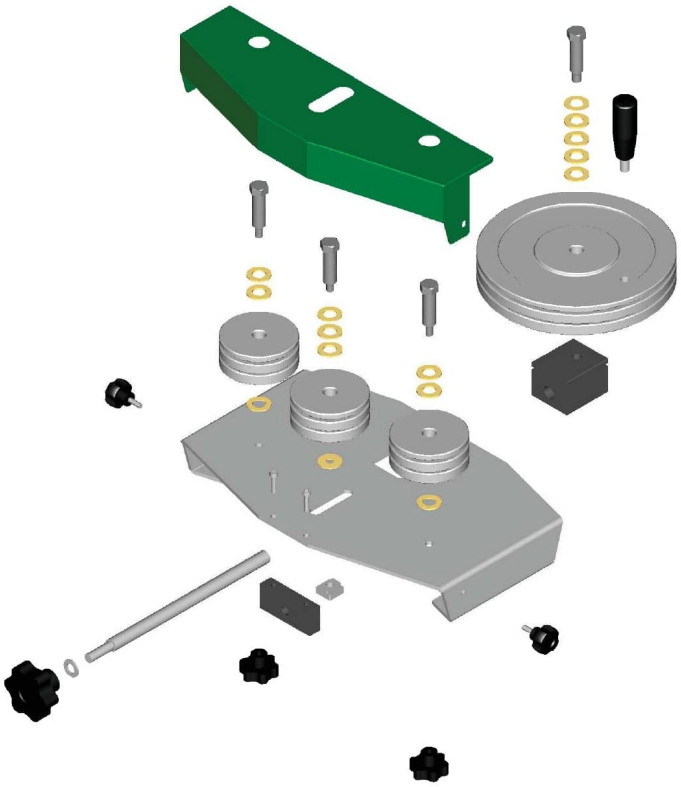
kit 30046



kit 30049



kit 30052



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13272-10-2023-en

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