

**Tr** TeraPlast®

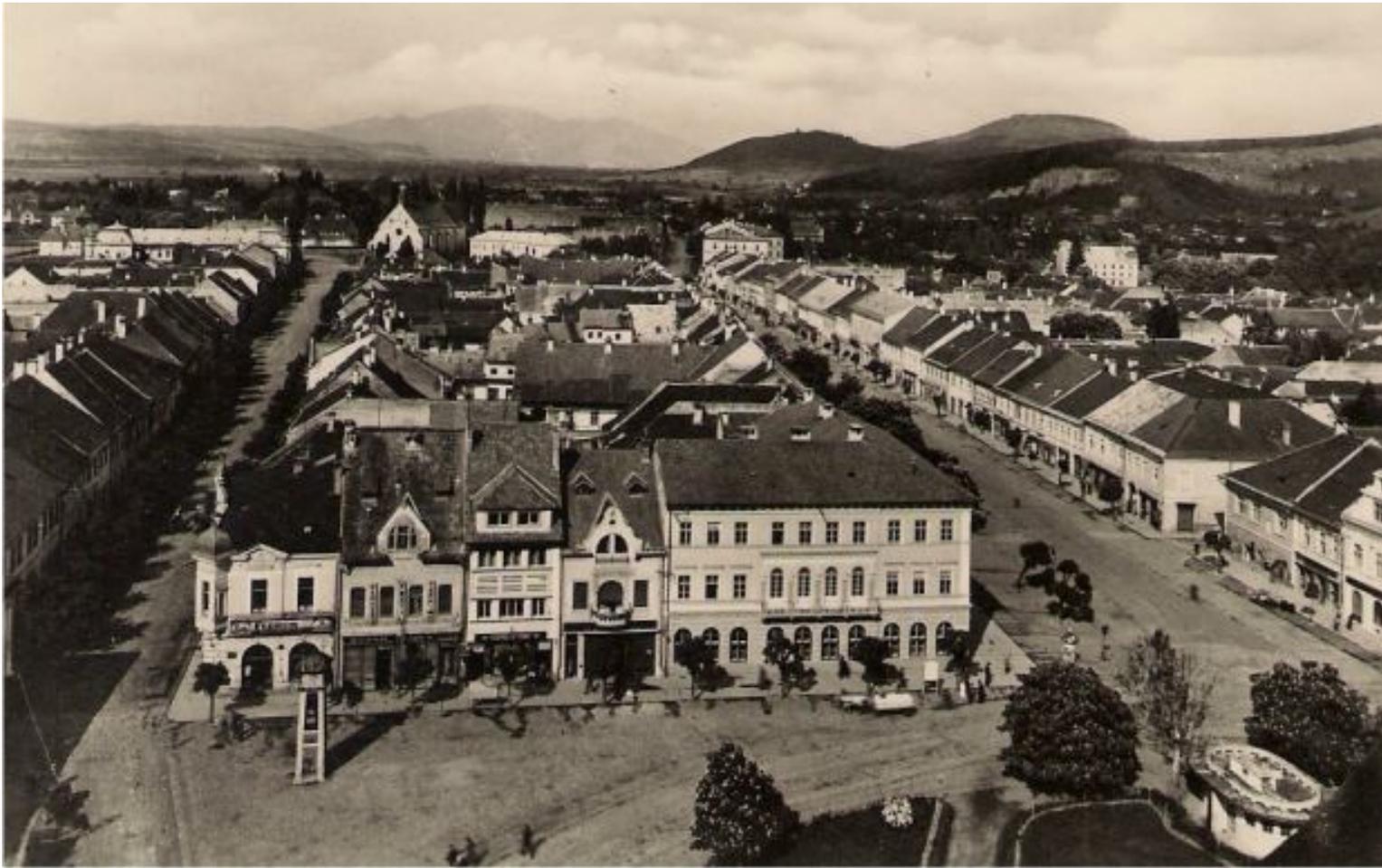
Think constructively!



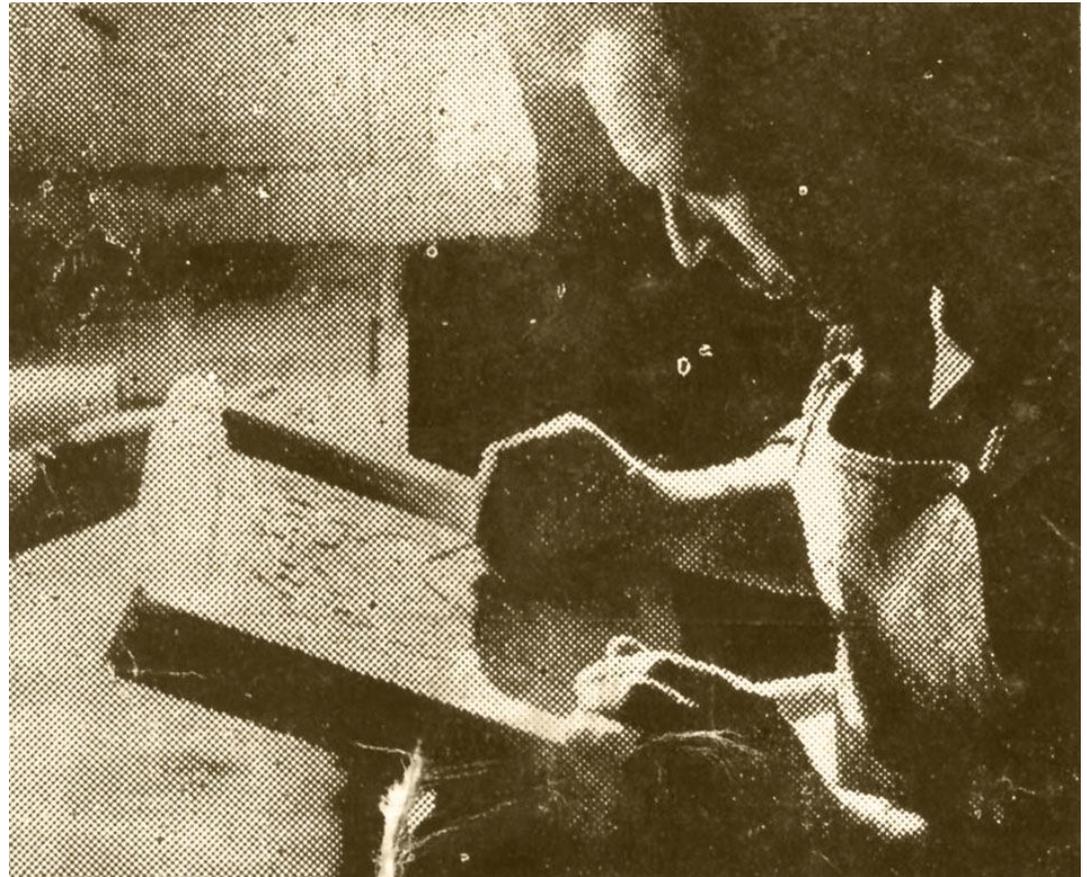
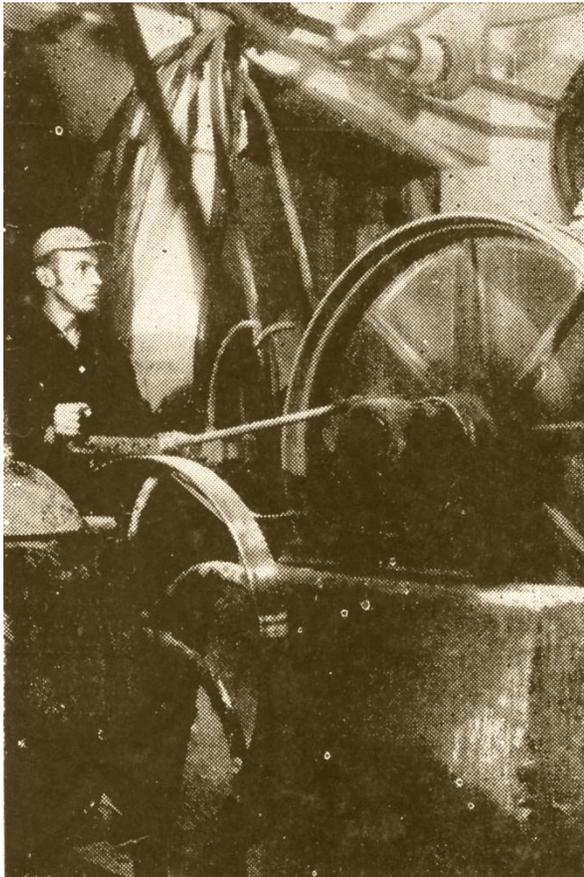
# GENERAL PRESENTATION

Complete solutions for plastic installations and finishings

**Bistrița, 1896**



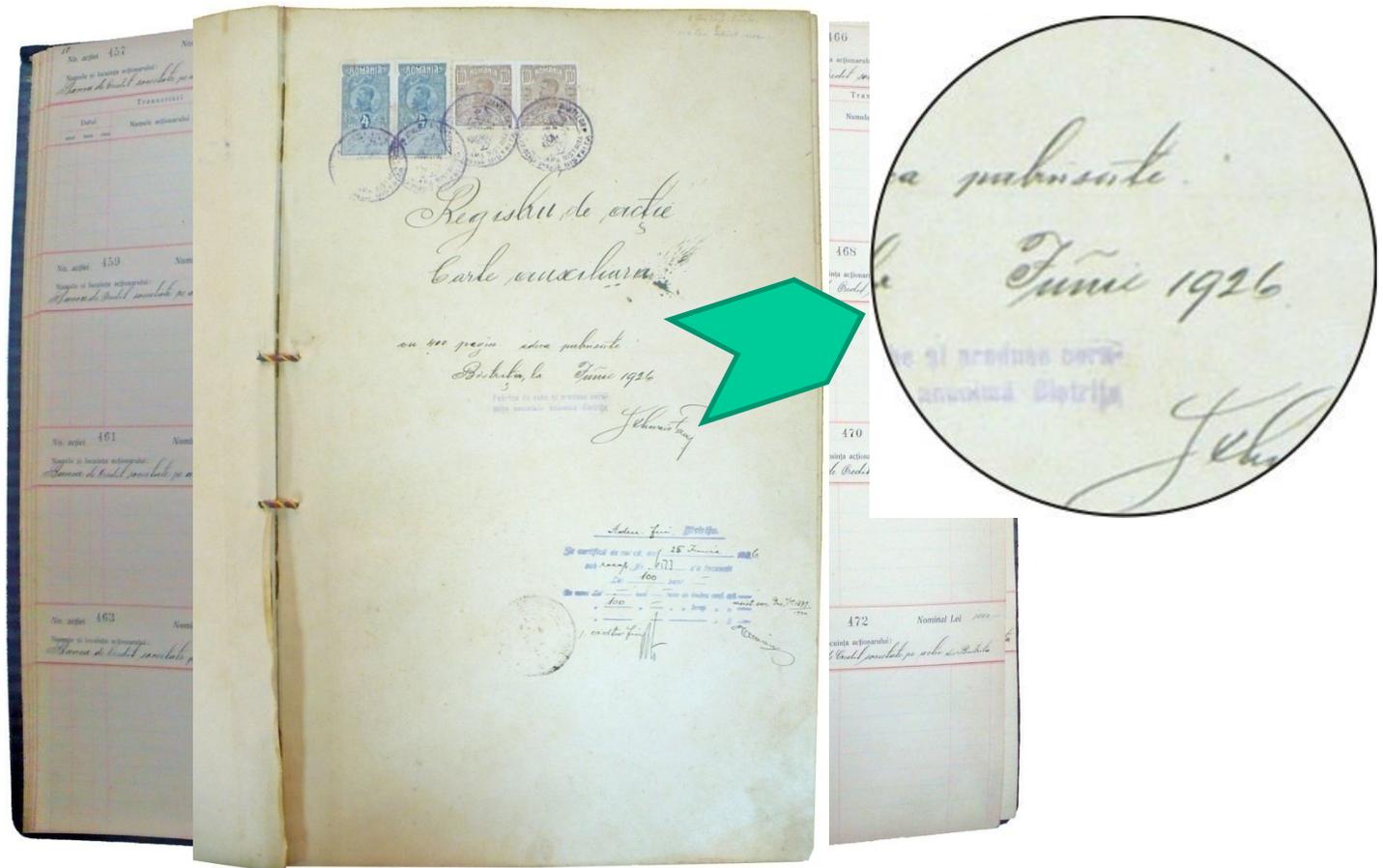
**1896 - the first workshop for terracotta tile making appears in Bistrita area**



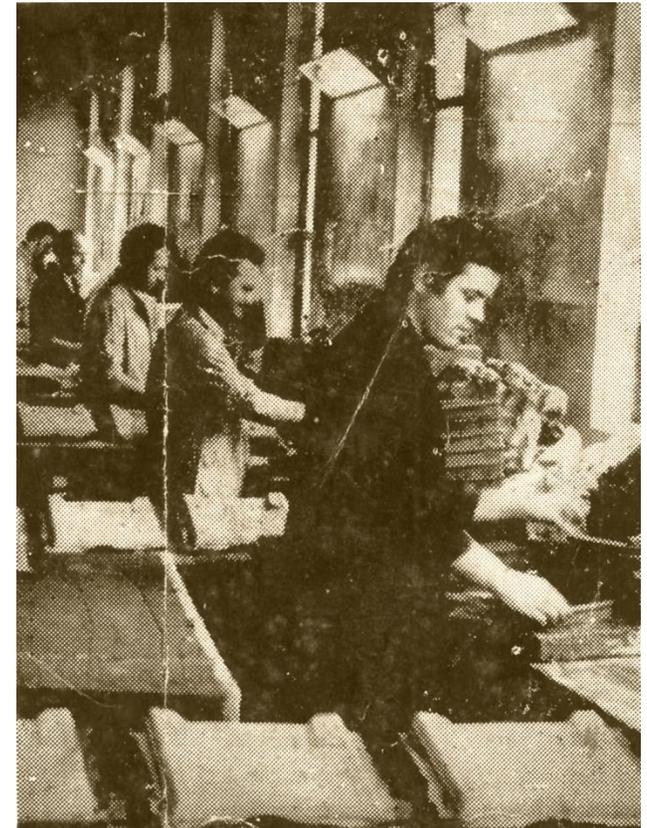
**1917 – the public company “Factory of stoves and ceramics” is founded in Bistrita**



## Bistrița, 1926 – The registry of shareholders



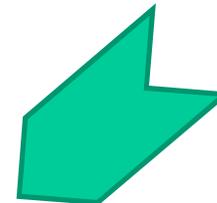
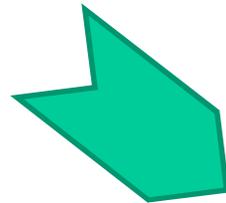
**1950 – 1989 The factory is integrated into “The Construction Materials Factory”**



1990 – the company TERAPLAST is founded, taking over the Terracota Department of “The Construction Materials Factory”

**Tera**cotă  
(Terra-cotta)

Mase **Plastice**  
(Plastics)

The TeraPlast logo, featuring a stylized 'Tr' in blue and red followed by the word 'TeraPlast' in blue with a registered trademark symbol.

# TURNOVER



## Teraplast in 2010:

- supplier of complete solutions for the installations and finishings field
- national coverage and regional presence in Central and Eastern Europe
- total revenues of over 50 mil. €
- listed at Bucharest Stock Exchange Office



## Our vision:

**The most important supplier  
of the plastic installations  
systems, in the Central and  
Eastern European region.**



## How ?

- developing strategic partnerships
- team work together with our partners
- diverse portfolio with new competitive products
- continuing the investments program



**TeraPlast**

**TERAPLAST Group**



**TERAPLAST  
GROUP**



**Think constructively!**



-  **DRAIN**  
system External sewage system
-  **WATER & GAS**  
system Internal sewage system
-  **CLEAN**  
system Complete systems for water and gas
-  **AQUA**  
system Water supply and heating system
-  **DECOR**  
system PVC Finishing and arrangements system
-  **RAIN**  
system PVC Gutters and spouts system
-  **TP4.5.6**  
PVC windows and doors profiles with 4, 5 and 6 insulating chambers
-  **TERA GLASS**  
PVC and Al windows and doors system
-  **HEAT**  
system Terra-cotta tiles system
-  **ELECTRO**  
system Electric system
-  **PVC**  
granules PVC Granules
-  **SANDWICH**  
**PANELS** Thermo-insulating panels





**UTILITIES**

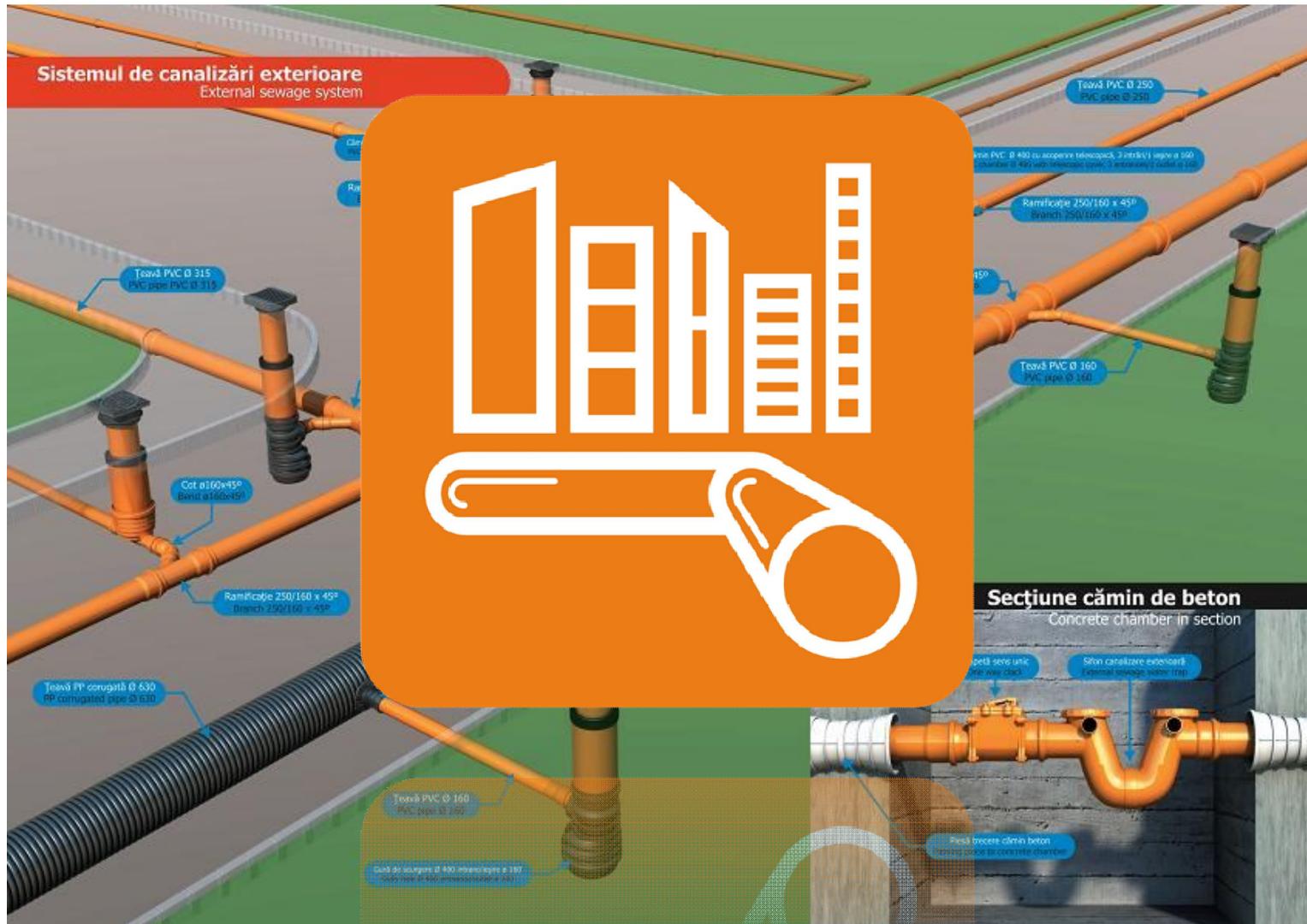


**RESIDENTIAL**



**INDUSTRIAL**







## DRAIN system



### External sewage system

#### PVC pipes and fittings, chambers, chamber caps and accessories

PVC pipes for Sewerage, according to their rigidity, are used to produce buried sewerage networks, including under road traffic. They are easily manipulated and assembled thanks to their low weight and they have a long life because of the assets of the production material. Tubing and fittings are produced with plugs and gaskets, making it possible to connect the PVC installation to other types of networks, ensuring thus a perfect seal.

Advantages:

-easy and rapid assembly in networks, improved network flexibility, low weight, easy handling and transport, high corrosion resistance.

#### PVC multilayer pipes

The special characteristic (feature) of this type is a wall structure consisting of three interrelated layers of PVC, having a reduced consumption of raw materials. This leads to a price, but also to a weight reduction, thus easing handling.

#### PVC fittings

Connectors that provide a perfect sealing of the sewer system, when replacing parts of the system in case of failure, of the branches, or in case of changing the movement direction of the system

#### chambers, chamber caps, accessories

For sewerage buried networks of water weather, industrial and domestic waste, TERAPLAST produces and sells a wide range of Pe and PVC chambers, both in sizes and as number of input-output

#### Mini-sewage plants - Oil separators - fat separators





## External sewage system



### Flexible tubes and fittings for drainage

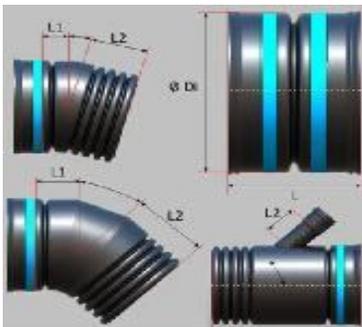
Flexible drain tube is used in drainage buried networks for rain water management in agriculture, construction and water drainage in parking lots. It is corrosion resistant and quick to assemble. Range of diameters: 50 - 200 mm.



### PP corrugated pipes –revolutionary solutions for maximum flow and ultra-resistant

TERAPLAST is the only producer of polypropylene corrugated pipes in Romania, the advantages of using this type of material are obvious: increased chemical resistance, resistance to domestic hot water, high impact resistance, high resistance to aging and increased rigidity in spite of thin walls, resulting significant savings of material and a low weight. Merging elements of the system is achieved by sealing with elastometric ring, using the technology SAFECONEC.

Range of diameters : 63-1200 mm



### PP corrugated fittings

Fittings are made of segments of pipe by welding (elbow, branch, reducers, socket, plug, saddle connections, part of way) or injected.





## COMPLETE SYSTEMS FOR WATER AND GAS



### PVC pressure pipes and fittings

-in different ranges of pressure PN6, PN 10 and PN 16 bar for water distribution networks and industrial fluids

Size : Ø 20 mm - Ø 400 mm



PE pipes, medium and high density

-network of water and gas, PE 80 / PE 100 in different ranges of pressure PN6, PN 10 and PN 16 bar

Size : Ø 20 mm - Ø 1200 mm



### Compressing fittings

For diameters  $d < 63$  mm, permissible pressure is 16 bar

For diameters between  $75 < d < 125$  mm, permissible pressure is 10 bari

Size : Ø 20 mm - Ø 110 mm



### Mechanical autoporforant branching saddles

Size : Ø 50 mm - Ø 160 mm





## COMPLETE SYSTEMS FOR WATER AND GAS



**Necklaces by plugging fast with and without stainless steel reinforcement Georg Fischer**

Size: Ø 20 mm - Ø 315 mm



**Injected fittings for butt welding Georg Fischer**

PE 100 SDR 17 si SDR 11

Size: Ø 20 mm - Ø 630 mm



**Fittings for butt welding**

Size: Ø 90 mm - Ø 1200 mm



**Electro-fusion fittings Georg Fischer**

Size: Ø 20 mm - Ø 710 mm



Fittings and accessories for water and gas networks

**In order to achieve water and gas networks, TeraPlast can provide:**

- Sleeves and wide tolerance adapters + GF + waga
- Cast iron fire hydrant underground and overground
- Underground fire hydrants in PE 100 DN80 Georg Fischer
- Cast iron valves with pinion drawer, buried or rubber wheel
- Service valves (valves of concession)
- Butterfly Valves
- Parts crossing PE – OL
- Reis (heads niche) for gas networks
- Steel flanges
- Warning tape with or without stainless wire
- Measuring and Control devices





## COMPLETE SYSTEMS FOR WATER AND GAS



### Butt Welding .Electro-fusion Welding Tools and accessories.

Full range of machines with or without registration for diameters between  $\varnothing$  20 mm -  $\varnothing$  1200 mm pipes cutting devices, tools and accessories



### PE Water meter chambers

Can be installed in pedestrian areas and green spaces where there is no traffic and where you can have easy access for reading and/or inspecting the water meters.

Nominal diameter of the inspection area: DN / ID 500 mm, 1000 mm.

Height: - water meter chamber DN/ ID 500 mm, H=1210 mm

- water meter chamber DN/ ID 1000 mm, H=1250 mm

### Accessories:

- cap water meter chamber DN/ID 500 mm;
- cap water meter chamber DN/ID 1000 mm;
- gasket water meter chamber D=1000 mm: adjustable piece gasket for chamber;
- gasket water meter chamber D=500 mm, DN 440 mm;
- DN 25 mm;
- Gasket pipe DN 32 mm.



### PE Tanks

- underground or overground
- capacity: 2, 3, 5 and 10 mc.







## INTERNAL SEWAGE SYSTEM



### Polypropylene (PP) pipes and fittings

It is used in interior installations of drainage, domestic sewage and industrial. It should be noted as a major feature that PP fireproof drainage pipes (on request) present a high resistance to fire and not give off toxic gases.



### PP fittings and accessories

-bends, branch, couplers, reducers, cleaning piece, stoppers, hats, ventilation of toilet elbows, technical corners, pipe clamps, lubricant for gaskets



### PVC pipes and fittings

It is used in internal sewage networks, rain water, rain in civil and industrial engineering.

\* PVC pipes of 110 mm in diameter with a thickness of 2.5 mm are soundproofing.





### Water supply and heating system



#### PVC pressure pipes and fittings

-with diameters ranging from DN20-400 mm and nominal pressures of 6, 10 and 16 bar for water distribution network



#### PP-R pressure pipes and fittings

-with and without the insertion of aluminum and composites, for the distribution under pressure of cold or hot water or heat

The components are designed and tested for an operation period exceeding 50 years. The system offers more than 250 joints and connections in diameters between 20 and 110 mm. Due to the versatility of the fittings, it is guaranteed that any necessity can be solved optimally.



#### Complete range of PP-R fittings and accessories

- polifusion devices, valves, etc.
- Range of diameters: 20 - 110 mm
- Range of pressures: PN10, PN16, PN20 și PN 25 bar.





## PVC finishing and arrangements system



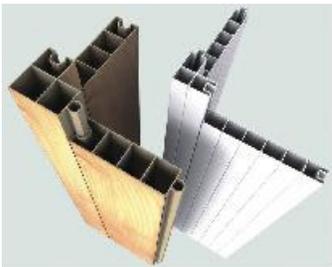
PVC products represent an important advantage over traditional materials for interior and exterior, being designed to have a long life, easy care, with a high resistance to aging, mold, bacterial agents. Multiple use, meet almost all needs regarding the decoration of a space.

### PVC wainscots

-are used for boarding interior walls and ceilings in offices, homes, industrial warehouses and other buildings and civil engineering at temperatures of -5 ... 40 ° C

We have a wide range of colors: painted in various shades of marble and wood, or single colour in a wide range of RAL colours.

TERAPLAST's wainscots have different widths and models and a variety of accessories: terminal, angular, profiles for supporting false ceiling.



### Profiles for partition walls

- small and medium-sized for the division of interior spaces, unmountable or mountable, in civil or industrial buildings, together with the accessories: angular and terminal wall.

Color range:

- small partition wall: one-colour: white, cream and brown;
- intermediate partition wall: one-colour or dyed on the surface in different wood-like shades



Arrangements and Rehabilitation system type BIS ( The Bis System)

Application domains:

- waterproofing of plain roofs (terraces, suspended gardens)
- ventilation and waterproofing of walls sensitive to atmospheric agents;
- elimination of humidity from the support of floors and walls exposed to infiltration
- waterproofing of underground building elements : foundations, underground constructions, swimming pools;
- replacement of floors and boarding walls inside and outside constructions;
- Prevention of cracks and their extension in the floor.





### PVC Gutters and spouts system



#### PVC Gutters and spouts system

- can be used for simple houses, houses with floors removed, shops, towers or garage

-it is a gutter and spouts system designed for the pretentious customers. Its hydraulic effectiveness and professional design provides an excellent reception of water, even during heavy rains.

The system installation does not require any special tools, and can be made very easily. Gutters require no maintenance, are very durable, tight and effective in the water flow from the roof.

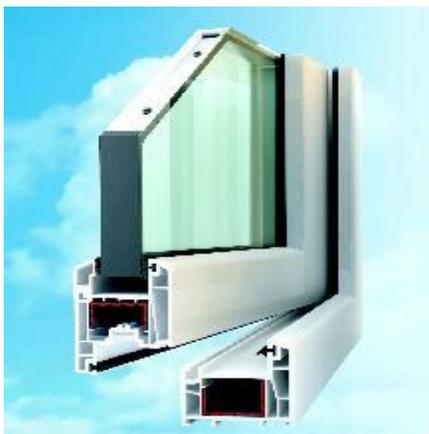
The Gutter system is completely resistant to contaminated water, which is very important in highly industrialized areas.

**The range of colors offered:** White, black, red, brown and copper .





**SYSTEM OF 4,5,6 CHAMBERS PVC PROFILES FOR WINDOWS AND DOORS.**



**4 Insulating chambers profiles , class A, class B**

**Technical characteristic:**

- 60 mm width profiles
- classification after EN 12608: Class A, Class B
- combustibility class C2
- galvanized steel armature, tickness of 1,5 mm
- alveolar gasket executed of specific material, EPDM
- Estimated heat transfer coefficient of window:  
 $U_w = 1,5W/m^2xK$



**5 Insulating chambers profiles, class A**

**Technical characteristics:**

- 75 mm width: frame, pillar, sash, glass thin rod, margin, coupling profile, etc.
- sealing gasket
- galvanized steel armature
- outdoor board, indoor board
- layout stand
- insect net frame
- thermal barrier
- other accessories





### PVC AND AL WINDOWS AND DOORS SYSTEM



#### PVC WINDOWS AND DOORS

- 4,5 chamber profiles, exclusive class A ( 3 mm thickness )
- Coefficient of thermal transfer 1.1 – 1.5 W/mpK
- 3 sealing gasket, EPDM ( unlike 2 )
- phonic insulation up to 37 – 45 dB (5 chambers)
- Combustion class C1 (5 chambers)
- Profiles have a line inclined 15 ° (slight leak rainwater)
- Profiles custom painted in any RAL color, the same price
- Profile wrapping: walnut, golden oak, mahogany, sepia
- Roto NT hardware with micro-ventilation system
- Insulating glass Low-E + Argon, with 2 or 3 sheets of glass
- Reinforcement at least 1.5 mm to 2 mm windows and doors quick delivery on time
- Assembling impeccable with professional team
- Services dedicated intervention Warranty and post warranty
- European CE approval for all window



#### ALUMINIUM CONFECTION

Window and door, vitrine, verandas, walls separators office, curtain walls, boarding with Bond  
We use aluminum systems SCHÜCO, Nr. 1 World, Greek and Western European systems





## TERRA-COTTA TILES SYSTEM

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

The terra-cotta tiles that we produce are used for the assembly of terra-cotta stoves

Having the refractory clays used as raw material, stoves built from parts of terra-cotta tiles I withstand at least 50 years at the heating cycles.

Terra-cotta tiles have on the visible side various floral or geometric ornaments models and they are glazed in 3 colours, totally ecological and without hard metal content. We also produce mechanically processed tiles, in special sizes.







## ELECTRICAL SYSTEM



### **Cables, conductors, and electric cords:**

TERAPLAST offers both cables, conductors, insulated cords (PVC, PE, rubber) and naked (LEA aluminum conductors, steel-aluminum and galvanized steel LEA) and the power supply apparatus - cords, extension and running devices.

### **Tube for cable protection**

For the protection of cables and insulated conductors from electrical installations or telecommunication systems up to 1000V ac and / or 1500 V dc, rigid PVC tubes can be used for inside or buried installations.

**PVC and metallic groves** necessary to protect the routes of electrical cables in construction and civil engineering.

**PE pipes for communication cable protection** in the range of diameters: 32-90 mm, PVC corrugated flexible tube, for protection cables and electrical conductors in the range of diameters: 16-40 mm.

### **Electric boards and junction boxes**

Electric boards are sold in 8 models, with a number from 4 to 72 modules

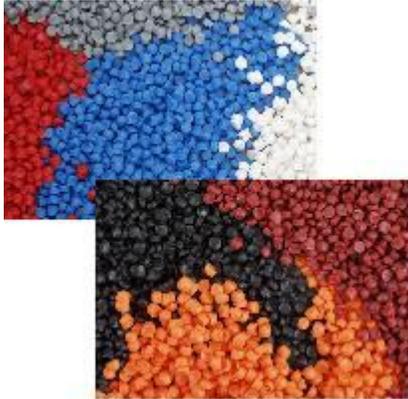
### **Commutation, command and signaling devices**

Switches, circuit closers, relays in different types





## PVC granules



### Plasticized granules

- Can be used in many fields: insulation and sheaths for cables and conductors of general use, insulation and sheath for cables and conductors with special characteristics, flexible tubes; used also for footwear soles.

### Rigid granules

- Are used for electro-insulated tubes (type R), fittings, wainscots, gutters.

Colour concentrated granules, used for dyeing in mass of the genuine granules, can be plasticized or rigid.

All types of granules are produced with Ca Zn based stabilizer and no heavy metals, have a uniform appearance, opaque or translucent, can be natural or dyed according to customer requirements.

Size: maximum 4 mm.





**SANDWICH PANELS SYSTEM  
WITH POLYURETHANE FOAM (PUR)/ FIREPROOF FOAM (PIR)**



**Variants:**

- ISOPERn -Wall panels with normal grip
- ISOPERa - Wall panels with attachments hidden
- ISOAC3 – Roof panels with 3 ribs
- ISOAC5 – Roof panels with 5 ribs

**Areas of use:** industrial halls, shopping centers, warehouses, social-cultural construction, cold chambers, construction Agrozootechnical, industrial doors, container modules, internal divisions

**Size:**

Thickness: 30÷100 mm – for ISOPERn , ISOAC3 and ISOAC5; 40 and 60 mm – for ISOPERa  
 Length: 2000÷13500 mm  
 Width: 1000 mm



[www.teraplast.ro](http://www.teraplast.ro)

