



forever safe

1979

It all begins when Emmanuel Kouvidis, an electrician–installer begins producing the first plastic conduits in his father's café in the village of Tyliossos in Crete, Greece.



Today

We are one of the top manufacturers of plastic piping systems for cable protection, sewage, and drainage in Europe.



[45
YEARS

**for 45 years we design and produce the
SAFEST plastic piping systems for cable
protection, sewage and drainage...**

ABOUT US

Quick info



01

OUR PREMISES 2001

**KOUVIDIS
FACILITIES
2001**

A MILESTONE YEAR



01

KOUVIDIS

KOUVIDIS
PREMISES
TODAY
NEW ERA

New production area

New offices building

Warehouse expansion

New quality lab

7.000 m² more space

6€ million investments

01

QUALITY
CONTROL
LABORATORY
TODAY
NEW ERA



No.	Definition	Current / Real Value
1	IR resistance	500V
2	IR resistance	900V
3	IV AC Current	1000V
4	IV AC Current	2000V
5	IV AC Current	3000V

Ready, waiting for test start...

KOUVIDIS MASTERPLAN

Operator

01

ABOUT US

QUICK INFO

**45 years**

of specialization in the production
of plastic piping systems

**3 subsidiaries**

in Cyprus, Germany and Portugal

**1 subsidiary**

specialized in the supply
chain management industry

**38 exporting**

countries

**4 distribution centers**

in Greece (Heraklion, Athens,
Thessaloniki) & Cyprus (Nicosia)

**24 patent**
degrees**20 fully automated**
production lines

SUSTAINABILITY QUICK INFO



Since 2006

Implementation of management systems
for quality, employees & environment
(ISO 9001, ISO 14001, ISO 45001)



100%

Recyclable packaging



51

Privately owned low emission
vehicles (KOUVIDIS, KLS)



50%

Renewable energy sources



100%

Energy saving
KNX, BMS

01

OUR PEOPLE

140 employees

100% increase (2018-2024)



01

QUALITY ORIENTED PRODUCTS

QUICK INFO



VDE and Bureau Veritas marks approval for most of our products

VDE Approved Place of Manufacture

VDE test reports according to EN 50642, EN 61034-2, EN 60764-2 for our halogen free series

KLS KOUVIDIS LOGISTICS

new subsidiary company specialized in
the supply chain management industry

MANUFACTURING
EXCELLENCE AWARDS
2021 Το βραβείο της Ελληνικής Βιομηχανίας

BRONZE

SUPPLY CHAIN
AWARDS 2022

SILVER

SUPPLY CHAIN
AWARDS 2022

GOLD



01

OUR GLOBAL PRESENCE QUICK INFO

38

Countries, including 3 subsidiaries and exclusive distributors

- KOUVIDIS premises
- ▲ Subsidiary company
- Distributor
- 📍 Customer



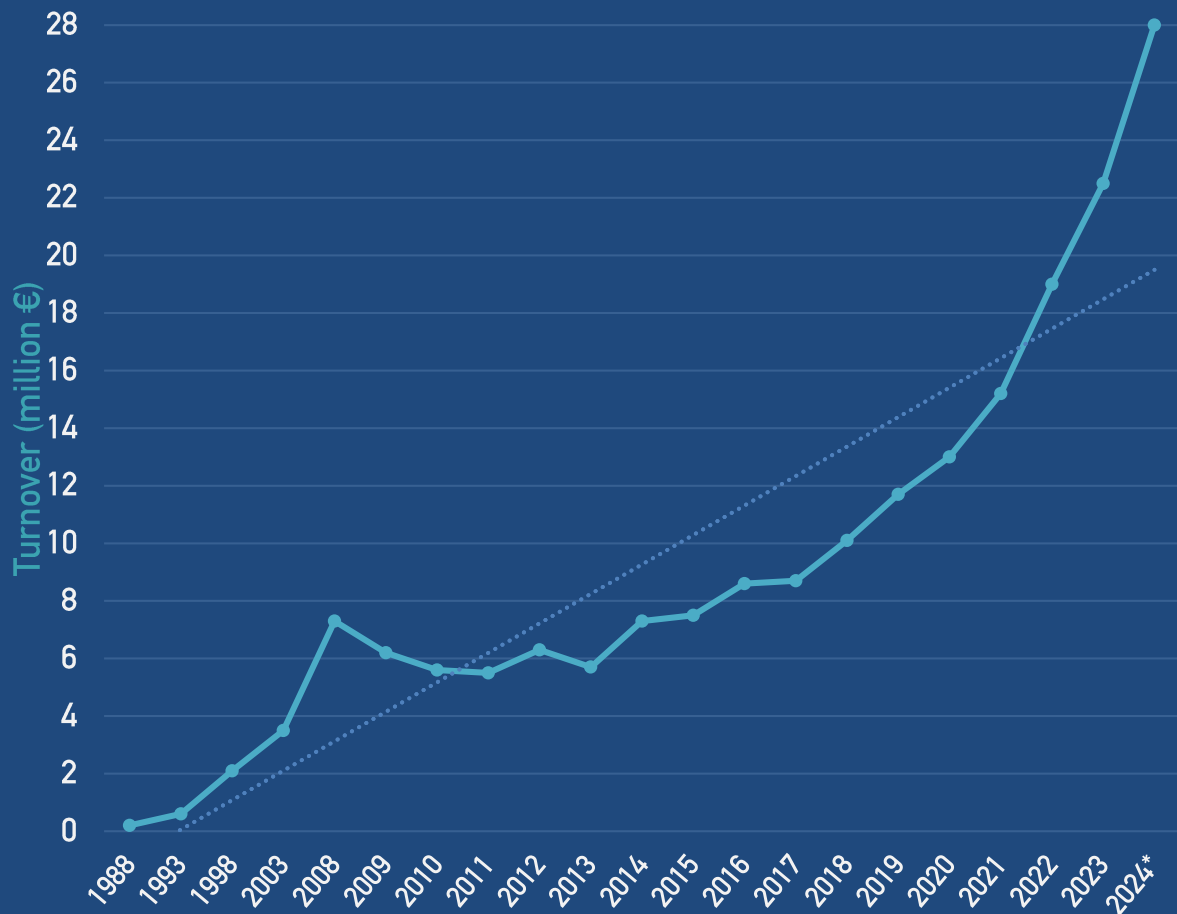
01

DATA SALES

+20%

Average growth rate
per year
in the last 5 years

K KOUVIDIS



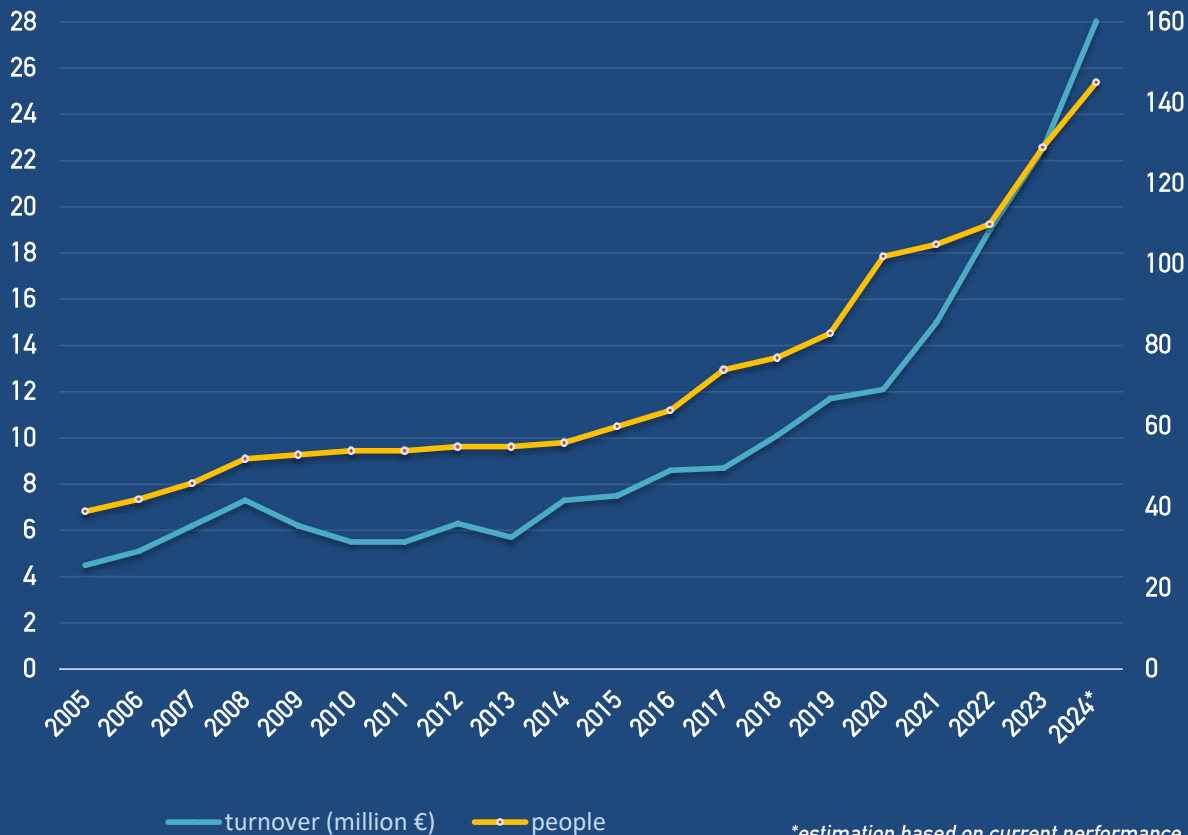
*estimation based on current performance

01

DATA PEOPLE

+100%

Increase of
employees
over the last
7 years



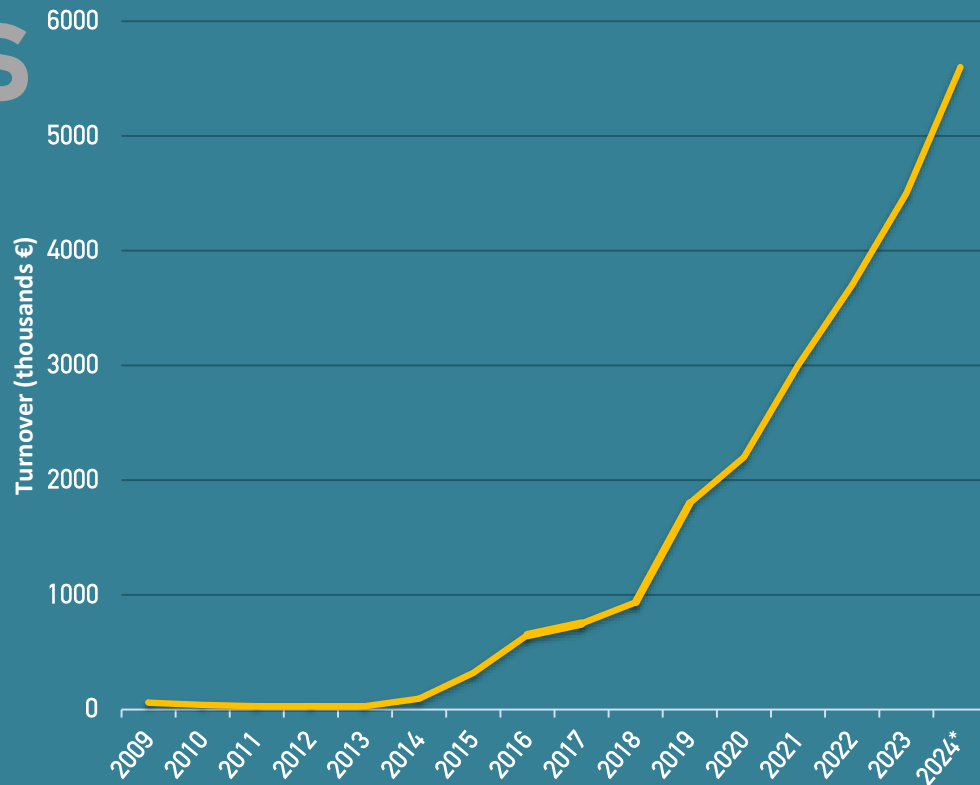
*estimation based on current performance

01

DATA OUR EXPORTS

Escalating
development of
exports activity

≈20% of total
annual sales



*estimation based on current development rate

[illegible]

PLANETARIUM OF CYPRUS

CYROUS > NICOSIA



COSTA NAVARINO

GREECE > PYLOS



OPAP ARENA

GREECE > ATHENS



LYTTOS MARE

GREECE > CRETE



ATTICA SUBWAY

GREECE > ATHENS/PIRAEUS



ONE MIRCEA ELIADE

ROMANIA > BUCHAREST



MARINA AYIA NAPA

CYPRUS > AYIA NAPA

K KOUVIDIS



EGNATIA HIGHWAY

GREECE > XANTHI

K kouvidis



SIX STUDENT RESIDENCE

CYORUS > NICOSIA



OTE

GREECE > ATHENS



INNOVATION

**New technologies in
plastic piping systems**





PLASTICS TECHNOLOGY





**Mechanical
strength**



Low Smoke



**Anti-scratch
protection**



Low Friction



Low Acidity



Halogen Free



**Anti-electromagnetic
Technology**



Color Identity



**Anti-rodent
Protection**

PLASTICS TECHNOLOGY



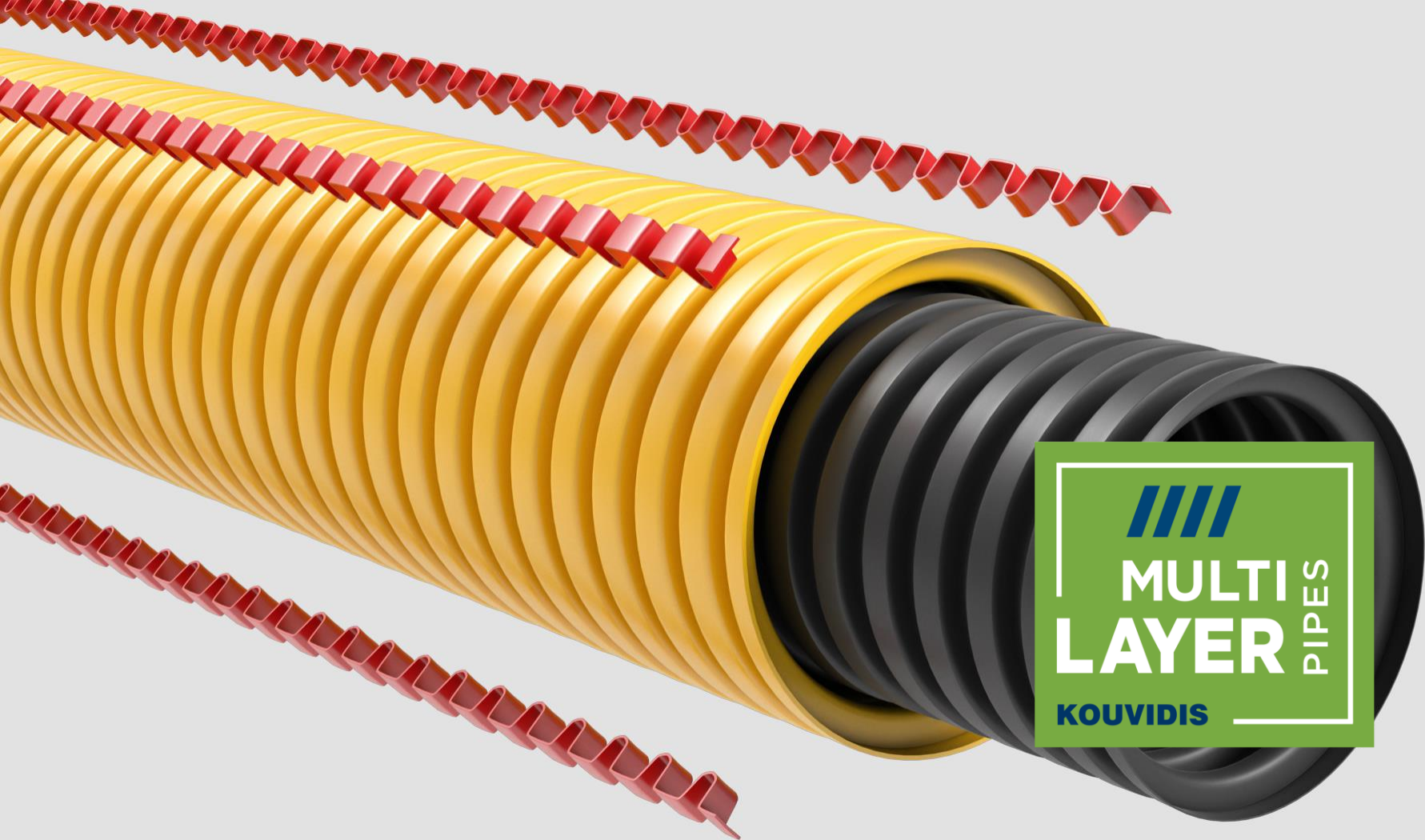
UV stability



**Antistatic
Technology**

**CAN ALL
THESE
PROPERTIES
BE INCORPORATED
WITHIN ONE
PIPE?
HOW?**





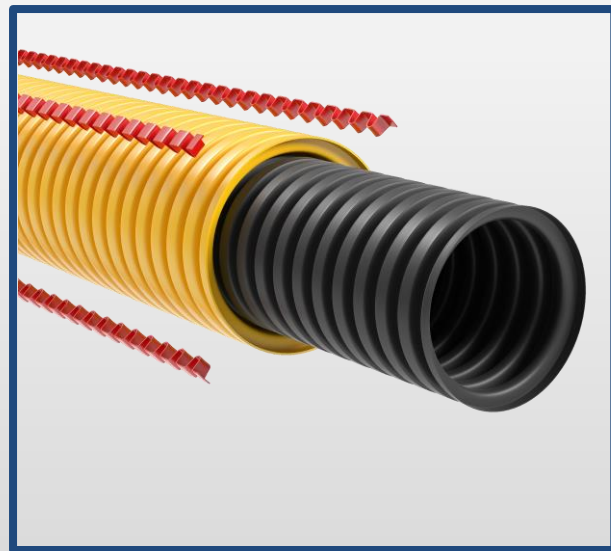
02

MULTI-LAYER PIPES

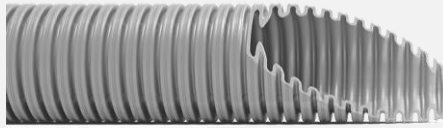
Multi-layer conduits adjust 100% in the contemporary plastic technology, ensure higher mechanical strength, make the installation easier due to their multiple benefits and secure a lower environmental footprint.

KOUVIDIS has penetrated into the multi-layer conduits world since 2012 by developing innovative products for numerous installation fields.

**New generation of plastic
conduits with friendly
environmental profile**

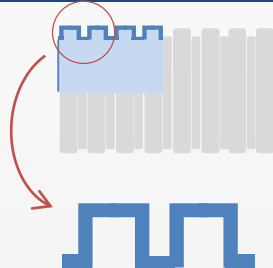


NEW GENERATION MULTI-LAYER CONDUITS

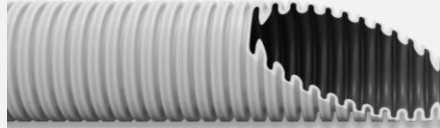


1 Layer

corrugated

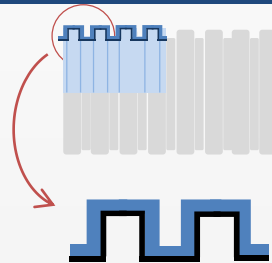


ONE LAYER



2 Layers

corrugated (both internally and externally)

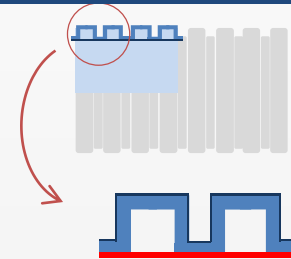


DOUBLE LAYER



3 Layers

Two corrugated and one smooth (internal)



DOUBLE WALL

02

MULTI-LAYER CONDUITS KOUVIDIS

13

new product series
(2012-2024)

~13_{mill.€}

yearly sales

>9_{mill.€}

investments

+160%

sales within the last 5 years

>50%

of our sales for exports

50%

of our daily sales

02

MULTI-LAYER CONDUITS KOUVIDIS

7

NEW production lines

45.000_m

are being placed in a daily basis



40.000_{km}

have been installed within the last 5 years

As is the perimeter of the EARTH

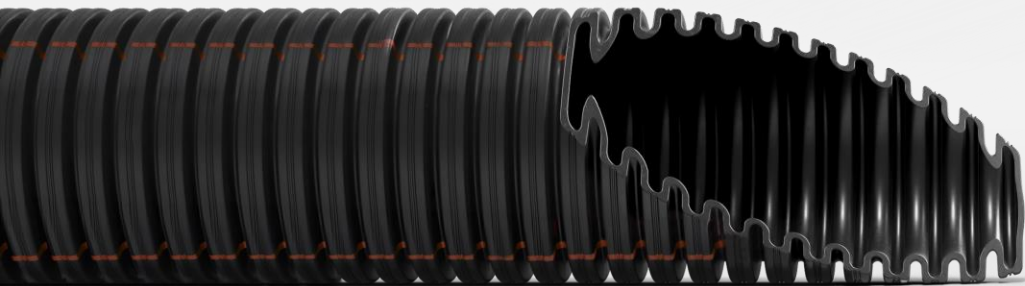


DOUBLE STRUCTURED
WALL CONDUIT
FOR CONCRETE
DUROFLEX PLUS

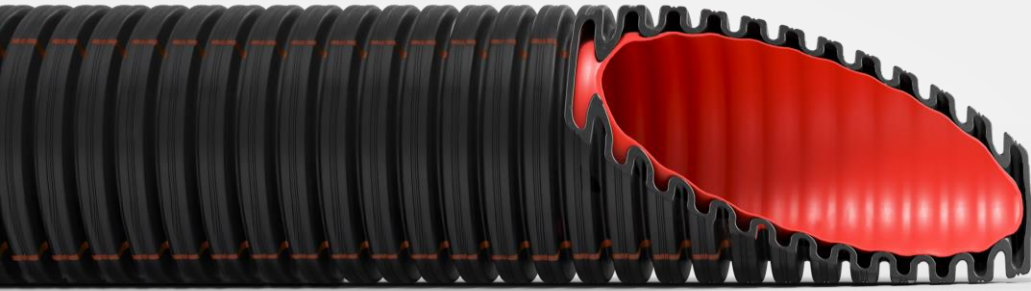
The elevated version of a stellar product

2.1

THE INNOVATION



2.1



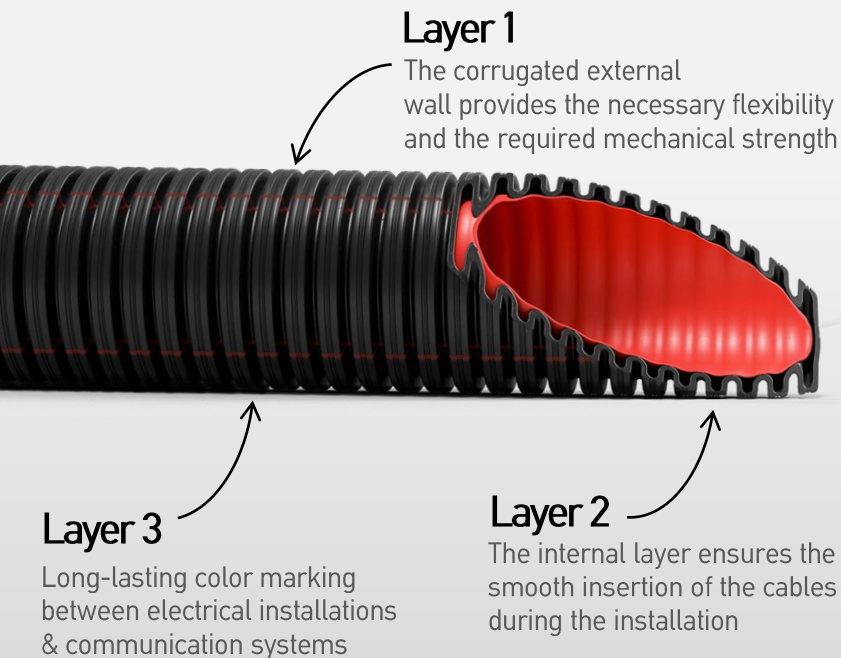
THE INNOVATION

The **CREATION** of a conduit which will combine the advantages of **rigid** conduits (smooth inner layer) and **pliable** conduits (flexibility)

2.1

DUROFLEX PLUS (750Nt)

3 LAYER CONDUITS

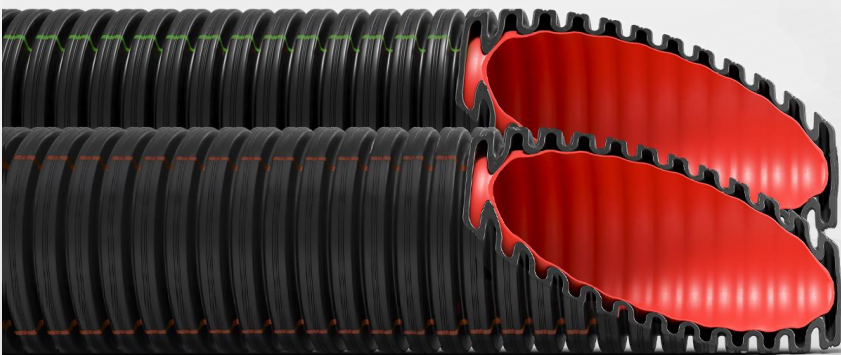


Ø16 – Ø32

KOUVIDIS applied its manufacturing know-how on structured wall conduits in small diameters.

2.1 DUROFLEX PLUS (750Nt) PROPERTIES

Class: 33332



— Power cables

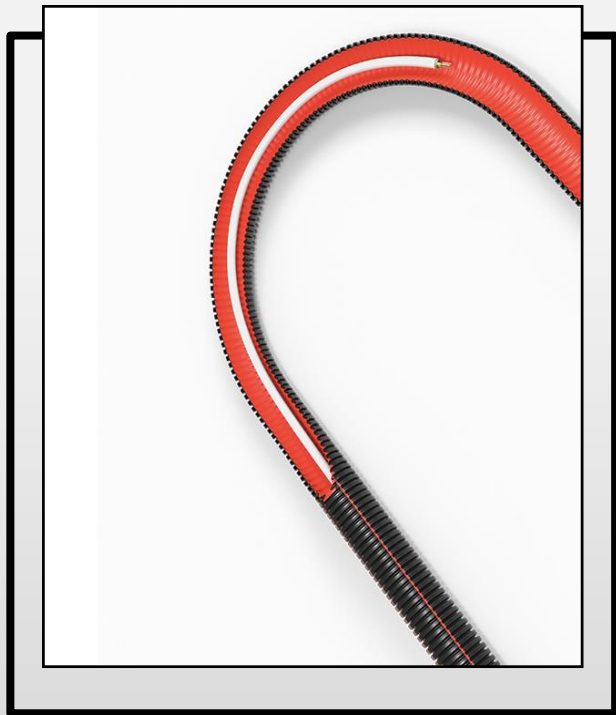
— Telecommunication cables

- **Extra UV stability** makes it ideal for outdoor installations
- Special **ultra slip material** is added in the internal layer, ensuring the smooth insertion of cables
- **Color marking** indicating the power of the protected cables.
- Very good performance over **concrete** chemical substances
- High mechanical resistance in **high temperature of 105°C**
- The internal layer incorporates **animal repellent**
- Made from **halogen free** raw materials based on PO blend
- **Low smoke** during combustion

2.1

DUROFLEX PLUS (750Nt)

FASTER & EASIER



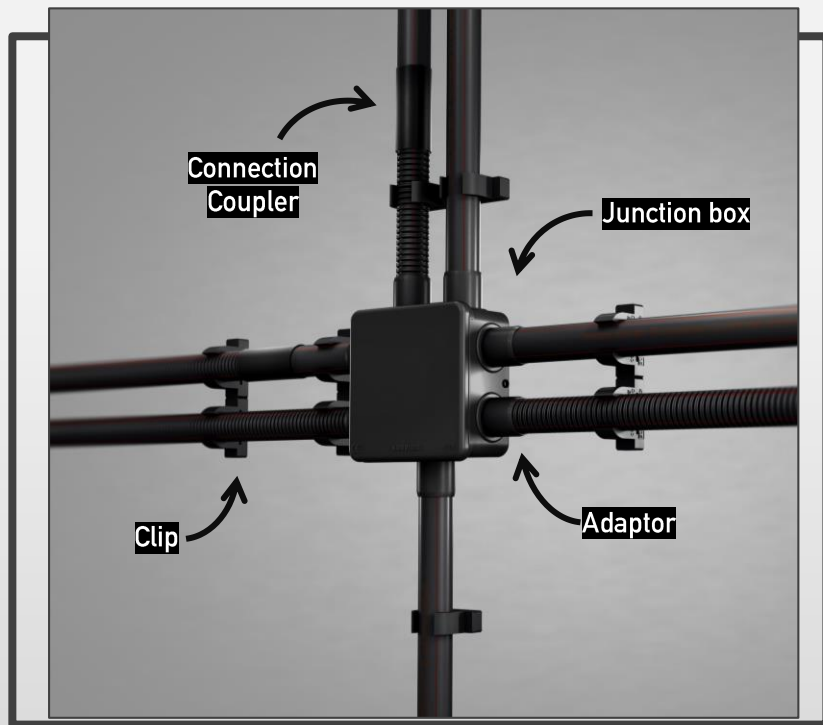
50%

LOWER FRICTION
(IEC/TR 62470)



2.2

DUROSOL PLUS & DUROFLEX PLUS CONDUIT SYSTEM Ø16-20-25-32



2.2 DUROSOL PLUS (750Nt) 3 LAYER RIGID CONDUITS

Class: 33431



Power cables



Telecommunication cables

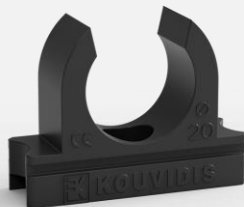
- **Extra UV stability** makes it ideal for outdoor installations
- Special **ultra slip material** is added in the internal layer, ensuring the smooth insertion of cables
- **Color marking** indicating the power of the protected cables.
- High mechanical resistance in **high temperature of 105°C**
- The internal layer incorporates **animal repellent**
- Made from **halogen free** raw materials

2.2

FITTINGS FOR DUROSOL PLUS – DUROFLEX PLUS



DUROSOL PLUS
Connection Coupler



DUROSOL PLUS
Clip



DUROSOL PLUS
Adaptor



DUROSOL PLUS
Junction box
with seals



DUROSOL PLUS
Junction box
with grommets

MEDISOL PLUS MEDIFLEX PLUS



Exposed
(Indoor)



Underfloor
in screed



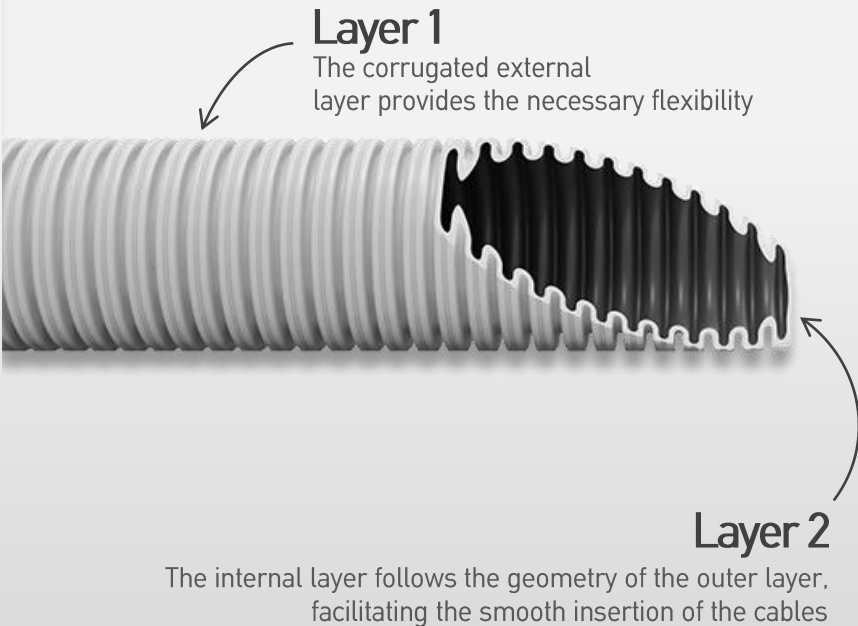
Concrete



2.3

MEDIFLEX PLUS (750Nt)

DOUBLE LAYER CONDUITS



Ø16 – Ø32

New generation of double layer conduits with
anti – electromagnetic technology

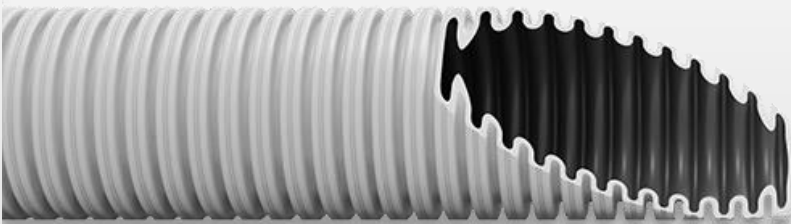
Installations in exposed, and concealed type

2.3

MEDIFLEX PLUS (750Nt)

PROPERTIES

Class: 33332



- For **exposed indoor** and **concealed** type installations
- Made from **halogen-free** raw materials
- **Low smoke** emission during combustion
- With **anti-electromagnetic** technology
- Special **ultra slip material** is added in the internal layer, ensuring the smooth insertion of cables
- Very good performance over **concrete** chemical substances
- High mechanical resistance in **high temperature of 105°C**
- The internal layer incorporates **animal repellent**

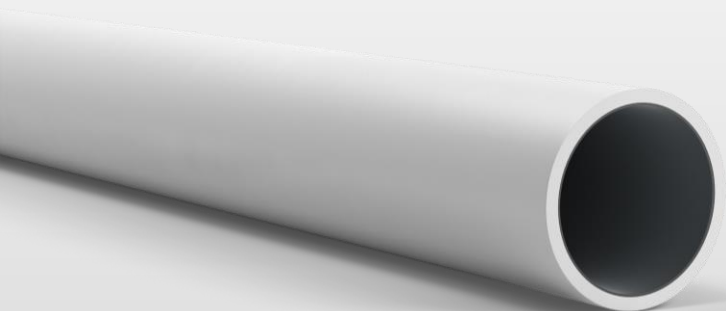
2.4

MEDISOL PLUS (750Nt)

DOUBLE LAYER RIGID CONDUITS

Class: 33431

Ø16 – Ø32



- For exposed indoor and concealed type installations
- Made from halogen-free raw materials
- With anti-electromagnetic technology
- Special ultra slip material is added in the internal layer, ensuring the smooth insertion of cables
- Very good performance over concrete chemical substances
- High mechanical resistance in high temperature of 105°C
- The internal layer incorporates animal repellent

2.4

FITTINGS FOR MEDISOL PLUS – MEDIFLEX PLUS

Accessories



CONDUR HF
Bend



MEDISOL PLUS
Coupler



CONDUR
Clip



CONDUR
Adaptor

Junction boxes



CONDUR junction
box with seals



CONDUR junction
box with grommets



CONDUR junction box
with no seals

THE DEFINITE SOLUTION FOR DRY WALLS

SIFLEX PLUS



Concealed
(underplaster)



Concealed
(dry wall)



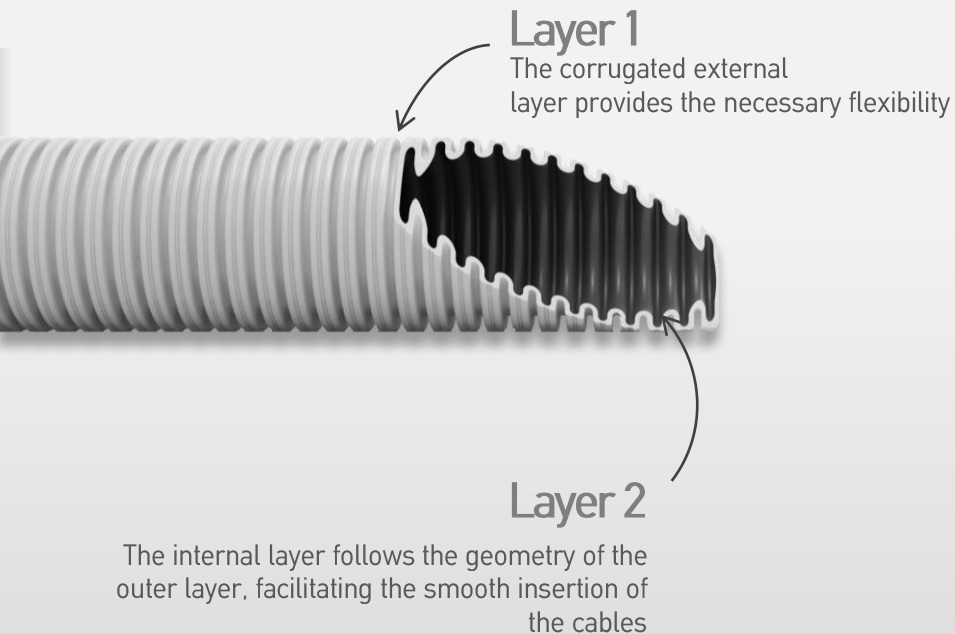
Concealed
floor / ceiling



2.5

SIFLEX PLUS (320Nt)

DOUBLE LAYER CONDUIT



Ø16 – Ø32

New generation of double layer conduits with **anti – electromagnetic technology**

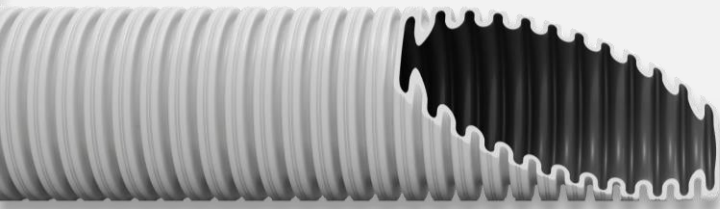
Installations in plasterboard, cavity wall and sub-ceiling

2.5

SIFLEX PLUS (320Nt)

PROPERTIES

Class: 23332



- The inner layer incorporates an innovative anti - electromagnetic technology
- Special ultra slip is added in the internal layer, ensuring the smooth insertion of cables
- High mechanical resistance in high temperature of +105°C
- Made from halogen free raw materials based on PP
- Low smoke emission during combustion



2.5

SIFLEX PLUS (320Nt) ANTI-ELECTROMAGNETIC TECHNOLOGY



Need

All cabling, both in residences and business premises, that is used to transfer energy and provide supply to electric devices, creates so-called low-frequency magnetic fields, as well as electric fields, that remain even after the devices have been inactivated.

Importance

Thanks to anti-electromagnetic technology, part of the radiation originating from cabling is isolated within the interior layer of SIFLEX PLUS conduits, while the interference created between circuits (weak and strong currents) is minimized.

2.5

SIFLEX PLUS (320Nt)

FASTER INSTALLATION



40%

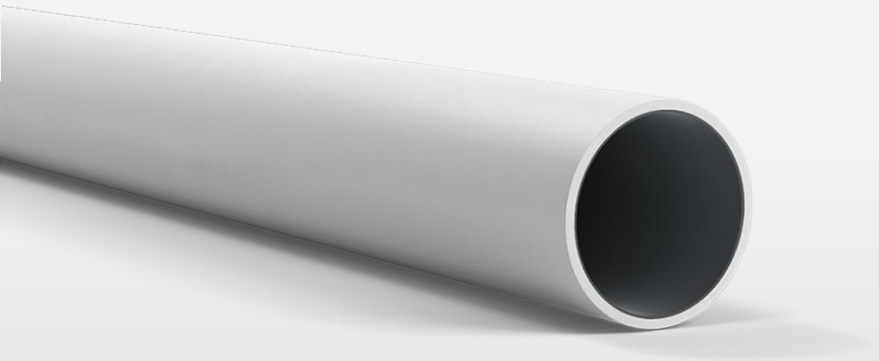
LOWER FRICTION
(IEC/TR 62470)



2.6

SILCOR PLUS (320Nt)

DOUBLE LAYER RIGID CONDUITS



- The inner layer incorporates an innovative anti-electromagnetic technology
- Special ultra slip is added in the internal layer, ensuring the smooth insertion of cables
- High mechanical resistance in high temperature of +105°C
- Made from halogen-free raw materials
- Low smoke emission during combustion

2.6

FITTINGS

FOR SILCOR PLUS – SIFLEX PLUS

Accessories



CONDUR HF
Bend



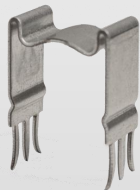
MEDISOL PLUS
Coupler



CONDUR
Adaptor



CONDUR
Clip



METAL CLAMP
KOUVIDIS

Junction boxes



CONDUR junction
box with seals



CONDUR junction
box with grommets



CONDUR junction box
with no seals

2.6

KOUVIDIS METAL CLAMP

for DRYWALL

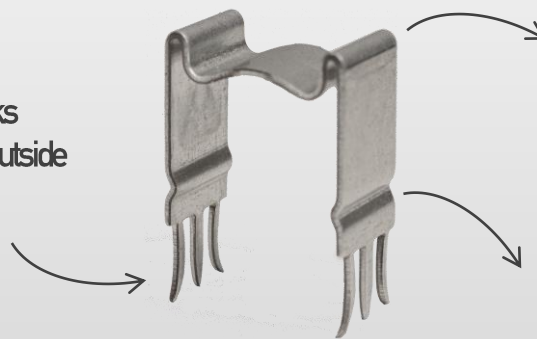
Ø16, Ø20, Ø25, Ø32

New specially designed metallic clamp for fast, easy and safe conduit impact mounting in drywalls.

Sendzimir galvanized steel for additional anti-corrosion protection



Specially designed hooks
without damaging the outside
of the wall



firm hold without drilling one hit
and the conduit is solid

Smart design which holds
perfectly the conduit

REMEMBER THE FOLLOWING

1. they are cut **VERY EASILY**
(with the use of the special cutting tool)



2. cable routing is a **DELIGHT**

-40% low friction



3. mounting is **EFFORTLESS**

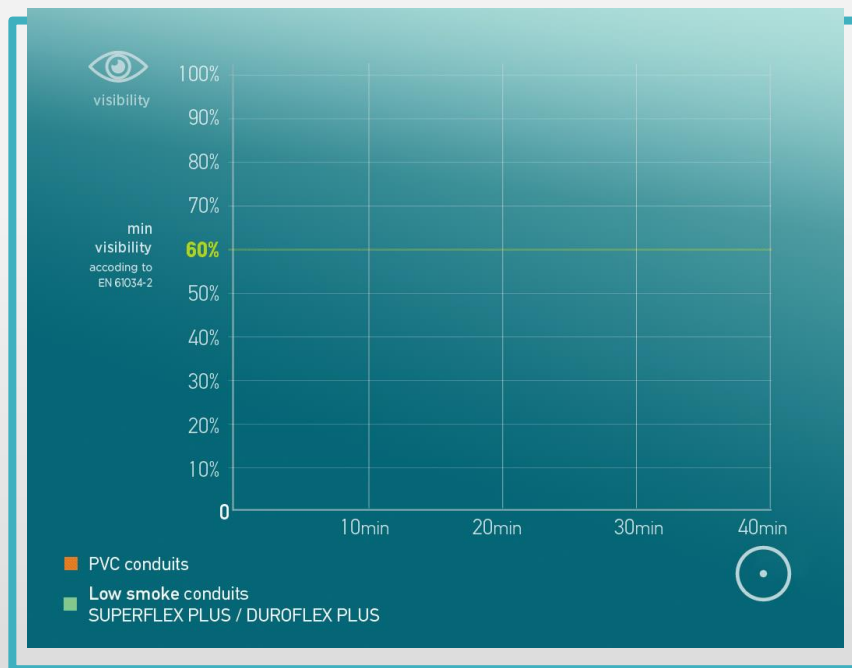


IMPORTANT POINTS



2.7

HALOGEN FREE & LOW SMOKE EMISSION



- Compliant with the fire protection regulation 364/2016/EE
- Certified by the German Testing and Certification Institute - VDE
- Production Standards:
EN 50642
EN 60754-2
EN 61034-2



2.7



LESS MASS

MORE METERS

Specially developed, award-winning packaging that **reduces the volume from 25% to 50%** compared to previous packages.

2.7

SPECIALLY DEVELOPED PACKAGING

**70%**

reduction of plastic per year
(15 tons/year)

**45%**

savings on transport costs

**45%**

storage space savings

2.8

CUTTING TOOLS FOR PLASTIC PIPES



Cutting tool for plastic pipes
in one step
REMS ROS PEX 28 S

→ up to Ø25



Cutting tool for plastic pipes
with automatic quick reverse
REMS ROS P 35 A

→ up to Ø32



Cutting tool for plastic pipes
with quick reverse
REMS ROS P 63 P

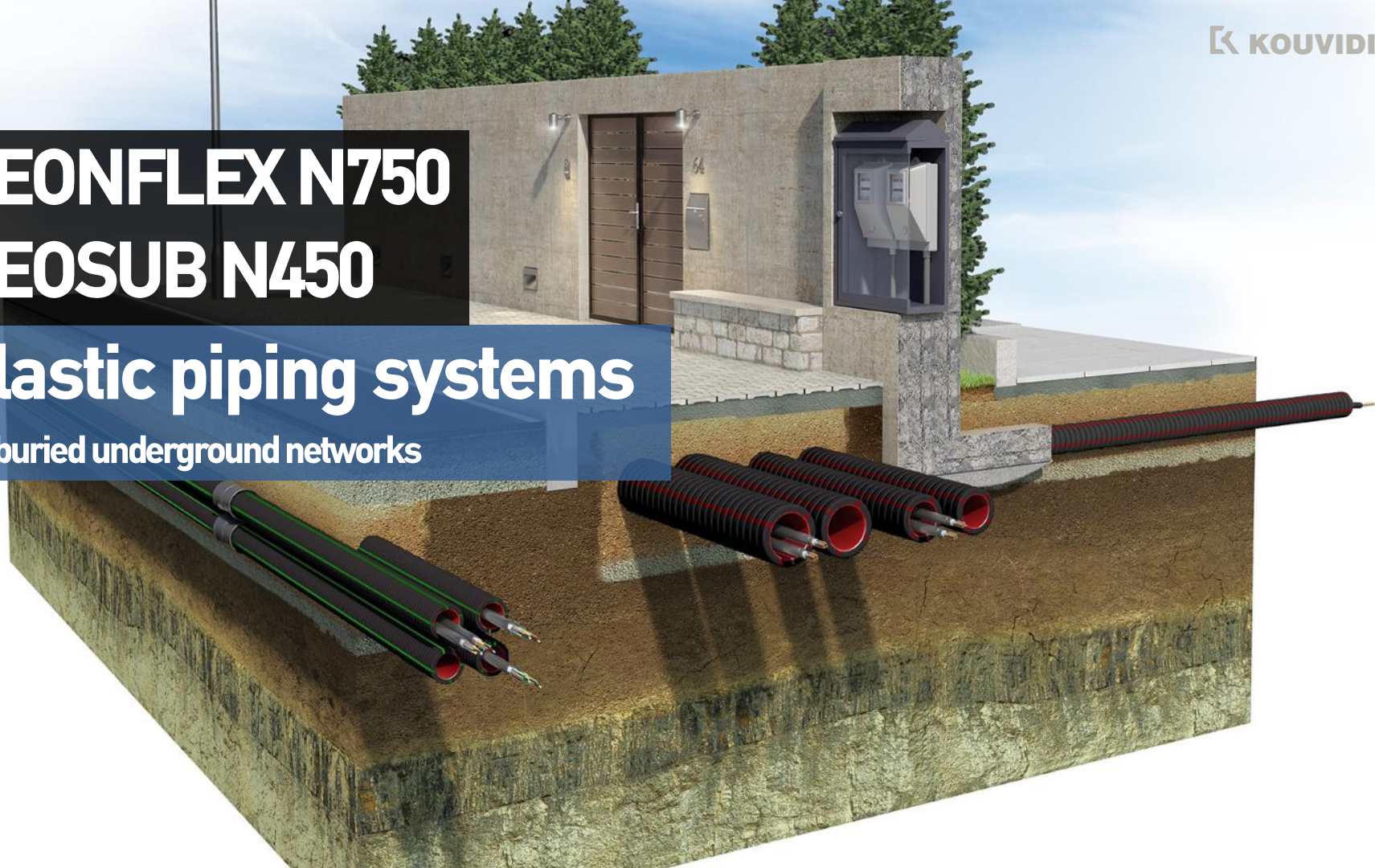
→ up to Ø63

GEONFLEX N750

GEOSUB N450

Plastic piping systems

for buried underground networks





since 2012

Within this 12-year presence, the conduits GEONFLEX® — GEOSUB® have been proved as the most reliable choice for the electrician installer while at the same time they have been used at the biggest projects in Greece and abroad.

2.9

Conduit system GEONFLEX & GEOSUB

Performance Indicators

1st

Product in exports sales
(2023)

3

production lines with 24h
operation

+187%

the last 5 years (Greece)

20.000_m

are being placed on a daily base

2.9

TIMELINE

KOUVIDIS becomes the 1st purely Greek company that produces double structured wall conduits by launching the 1st generation of GEONFLEX conduits

2012

GEOSUB conduit is launched, the “little brother” of GEONFLEX does more than 1.000.000m of sales

2014

2017

New accessories upgrades are introduced along with one more diameter (Ø32) and a 3rd production line.

2019

Longitudinal broad stripes of special indelible color are introduced for the conduits' identification

2021

GEONFLEX — GEOSUB received Gold award at Made in Greece Awards for Branded Industrial Product.

2022



2.9

PLASTIC CONDUIT SYSTEMS BURIED UNDERGROUND

Ø32 – Ø250

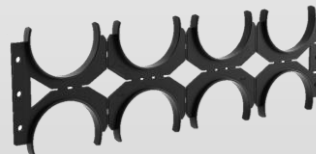
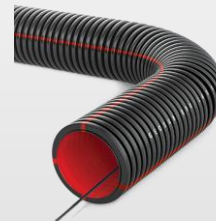
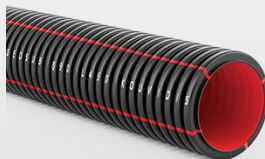
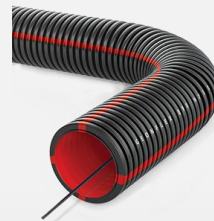
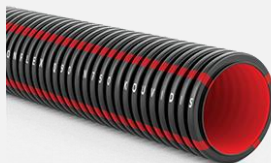
Normal type N750

GEONFLEX

Normal type N450

GEOSUB

**ACCESSORIES &
INSTALLATION MATERIALS**



2.9

GEONFLEX & GEOSUB PROPERTIES



- Power cables
- Telecommunication cables

- Wide range of diameters from $\varnothing 32$ to $\varnothing 250$
- Special **ultra slip** is added in the internal layer, ensuring the smooth insertion of cables (GEONFLEX)
- **Color marking** indicating the power of the protected cables.
- Not attractive to **rodents** (GEONFLEX)
- Ensure **high ingress protection** (IP40/IP44 with KOUVIDIS connection couplers with hooks/ IP68 with KOUVIDIS adhesive & sealant)
- UV stabilized
- Cable guide with minimum tensile strength 650Nt



2.9

GEONFLEX & GEOSUB IDENTIFICATION



 GEONFLEX

 GEOSUB

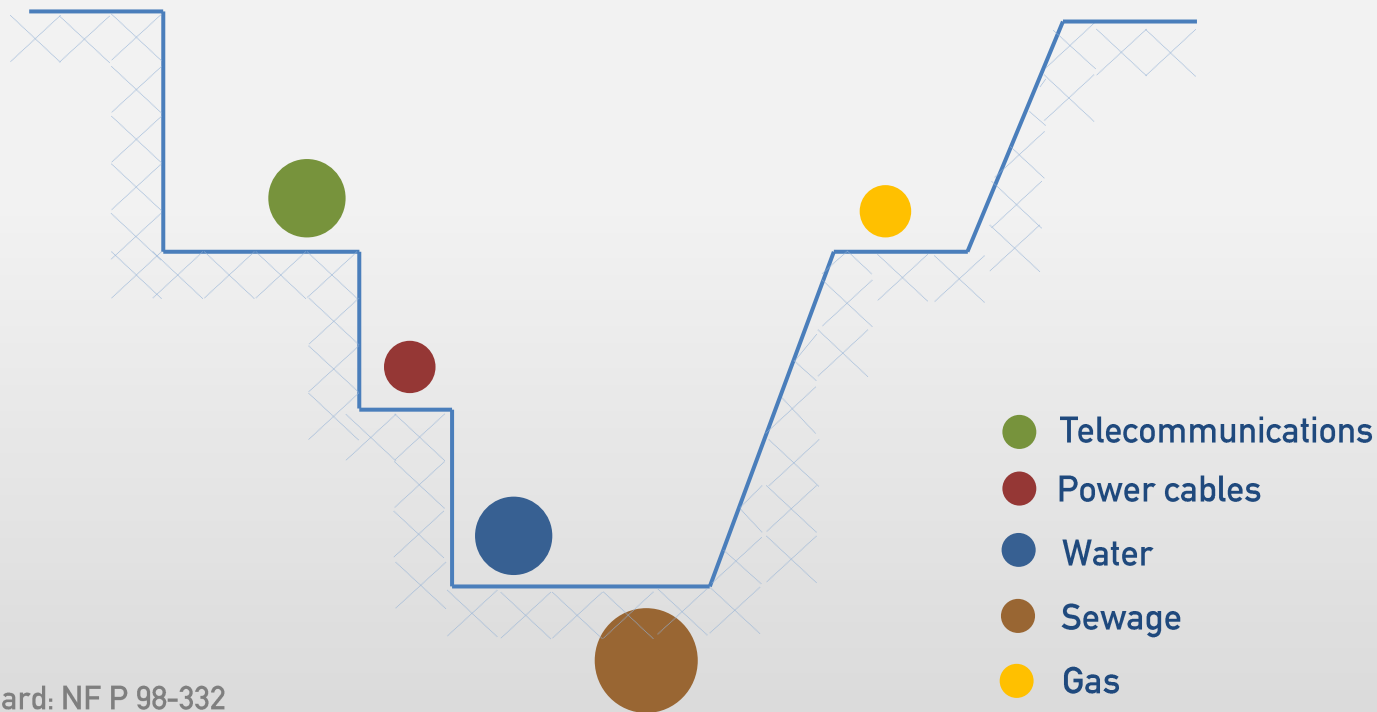


HINT: The width of the longitudinal lines is used to easily identify the 2 products.

Longitudinal broad stripes of indelible color are used for GEONFLEX conduits while thin stripes of indelible color are used for GEOSUB conduits.

2.9

Conduit system GEONFLEX & GEOSUB Color Identification



PRODUCT SERIES for cable management & protection



Plastic piping systems

Made from PVC



3.1

PLASTIC CONDUIT SYSTEMS MADE FROM PVC

4441**CONDUR – CONFLEX (1250Nt)****3341****MEDISOL – MEDIFLEX (750Nt)****2241****SILCOR – SIFLEX (320Nt)****Ø16 – Ø63**

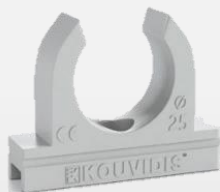
3.1

PLASTIC CONDUIT SYSTEMS FITTINGS

Accessories



CONDUR
Coupler



CONDUR
Clip



CONDUR
Adaptor

Junction boxes



CONDUR junction
box with seals



CONDUR junction
box with grommets



CONDUR junction box
with no seals

Plastic piping systems

Made from halogen free raw materials

3.2

PLASTIC CONDUIT SYSTEMS

HALOGEN FREE

4441

CONDUR HF– CONFLEX HF (1250Nt)

Ø16 – Ø40



CONDUR
Coupler



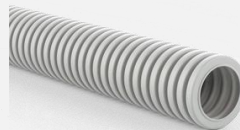
CONDUR
Clip



CONDUR
Adaptor



CONDUR junction
box with seals



CONDUR junction
box with grommets



CONDUR junction box
with no seals



Conduit impact strength



3.2

HALOGEN FREE SERIES ADVANTAGES



- In case of a fire accident, they don't release toxic and corrosive gases during combustion, protecting people and environment
- They provide higher protection of building facilities and mechanical equipment due to the absence of corrosive gases during their combustion
- The conduits ensure high impact resistance in extreme low temperature conditions (at -45°C)
- They contain flame retardants that reduce flame propagating



Plastic piping systems

With antimicrobial technology

3.3

PLASTIC CONDUIT SYSTEMS

ANTIMICROBIAL TECHNOLOGY

3341

MEDISOL AM – MEDIFLEX AM (750Nt)

Ø16 – Ø63



MEDISOL AM
Coupler



MEDISOL AM
Clip



MEDISOL
AM Adaptor



MEDISOL AM
junction box with
seals



3.3

ANTIMICROBIAL SERIES ADVANTAGES



- 99% of dangerous microorganisms eliminated within 24 hours - **ISO 22196** (Certified by the British laboratory BIOCOTE)
- Integrated technology that prevents the growth of microbes including mold and fungi
- Reduction of contamination (risk of pathogens transmission) due to cleaner surfaces
- The antimicrobial protection against microbial colonization ultimately extends product's lifetime
- Greater effectiveness against viruses due to the antimicrobial activity of the active ingredients that appear on product's surfaces

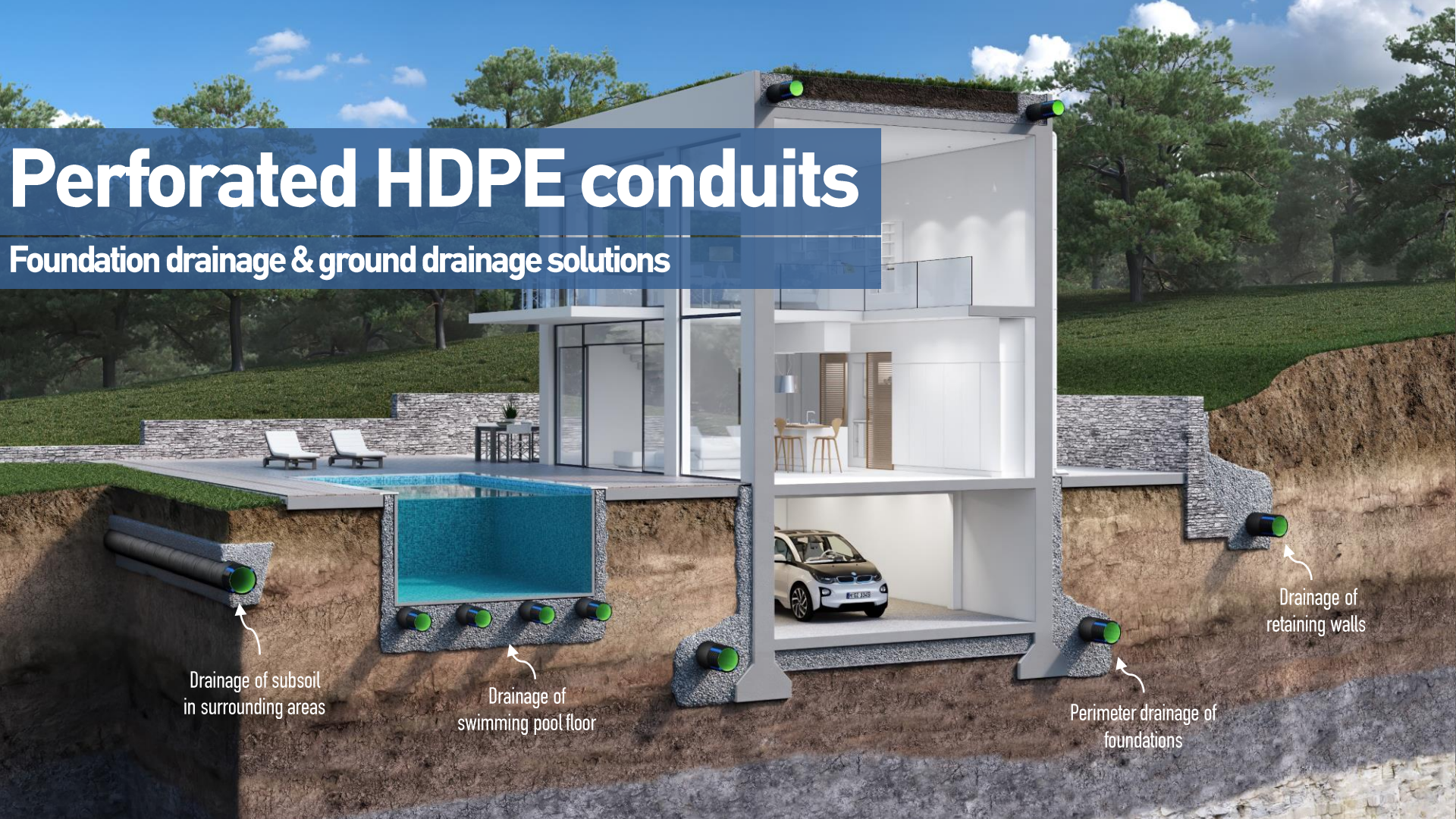


PRODUCT SERIES
for sewage & drainage



Perforated HDPE conduits

Foundation drainage & ground drainage solutions



Drainage of subsoil
in surrounding areas

Drainage of
swimming pool floor

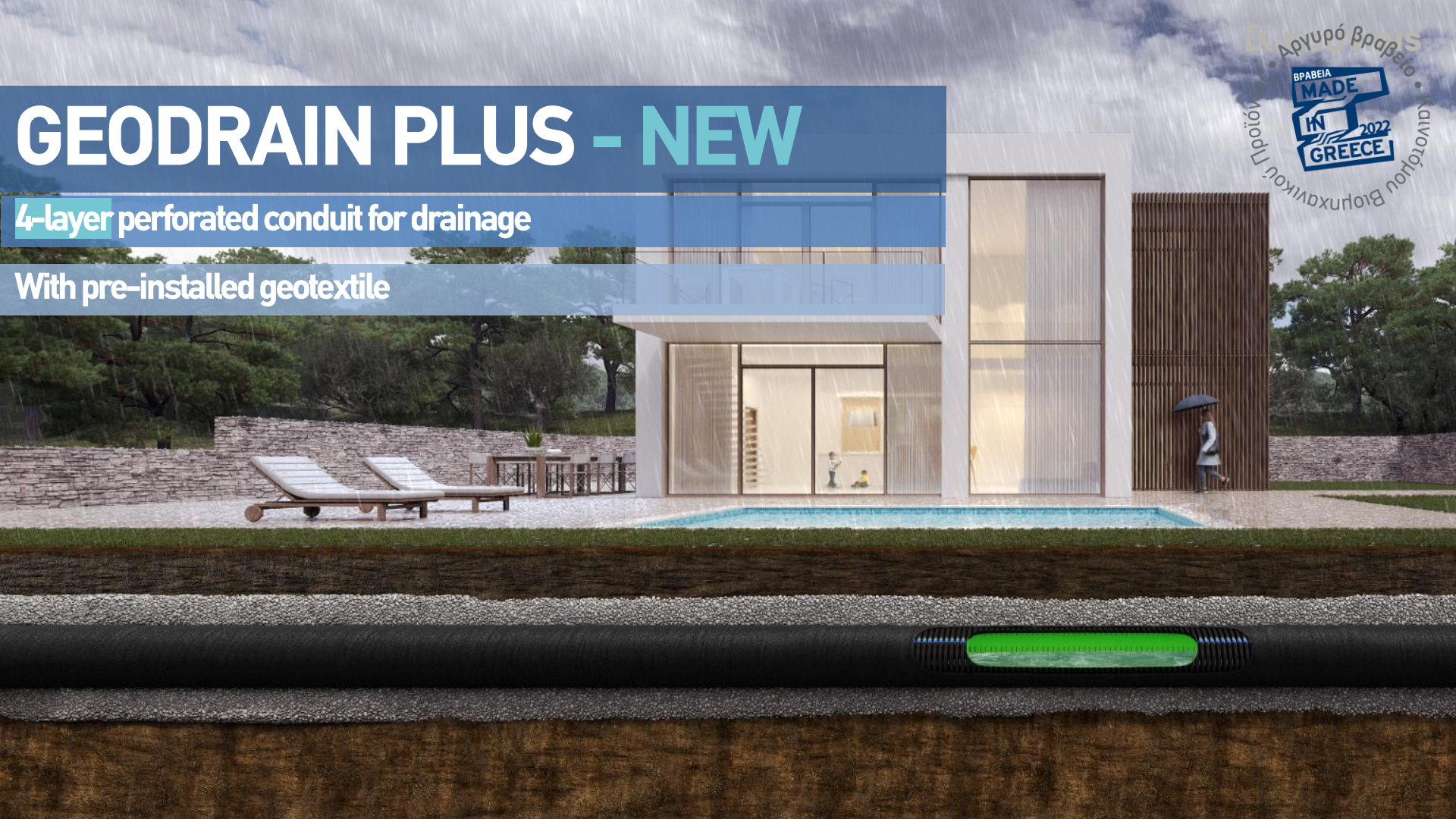
Perimeter drainage of
foundations

Drainage of
retaining walls

GEODRAIN PLUS - NEW

4-layer perforated conduit for drainage

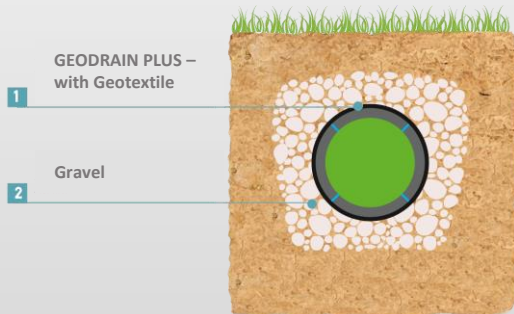
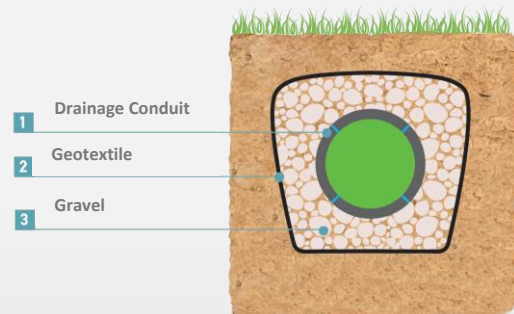
With pre-installed geotextile



4.1

DRAINAGE LAYERS

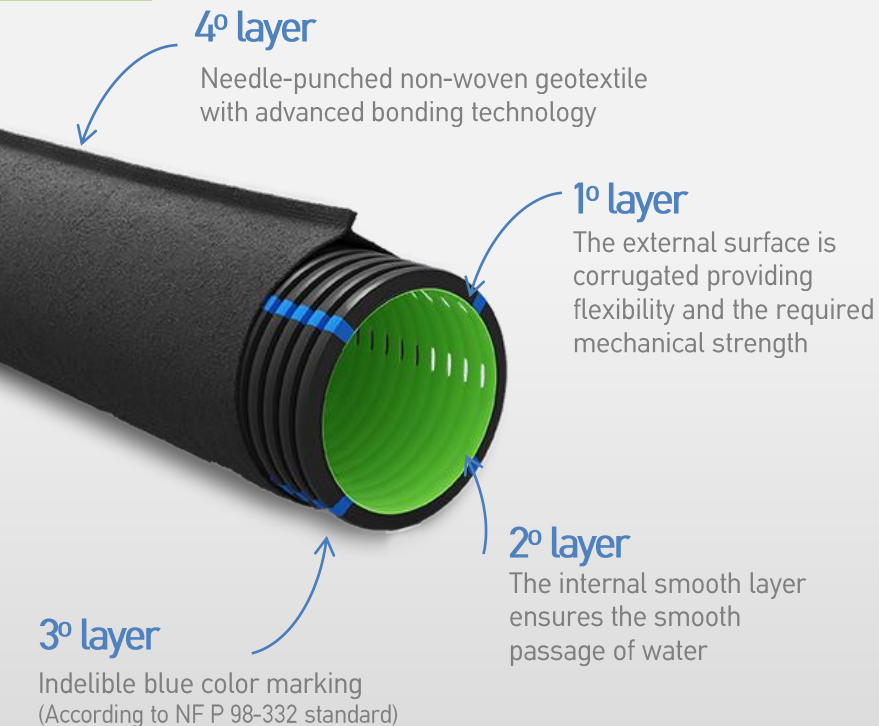
THE USE OF GEOTEXTILE



- **Up to 50%** fewer man-hours for the installation of the Geotextile
- **Up to 50%** less meters of Geotextile, as it is pre-installed to the drainage conduit

4.1

GEODRAIN PLUS



NEW GENERATION CONDUITS 4 LAYER for drainage

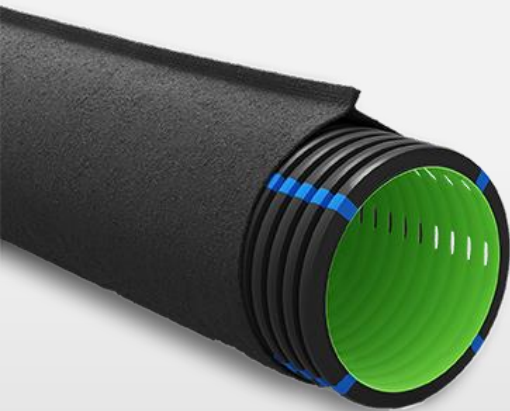
Welding of 3 different walls with the co-extrusion technology while using environmentally friendly raw materials

Use of specially developed geotextile
online during the production process

4.1

GEODRAIN PLUS PROPERTIES

OD63 – OD200



- Made by specially stabilized HDPE raw material
- SN4 | SN8 Ring Stiffness according to EN ISO 9969
- Symmetrically perforated according to DIN 4262 standard
- UV resistance up to 5 years
- Chemical resistance according to DIN ISO 10358
- Halogen-free & heavy metals free (RoHS)



220°

6m bars – local perforation 220°

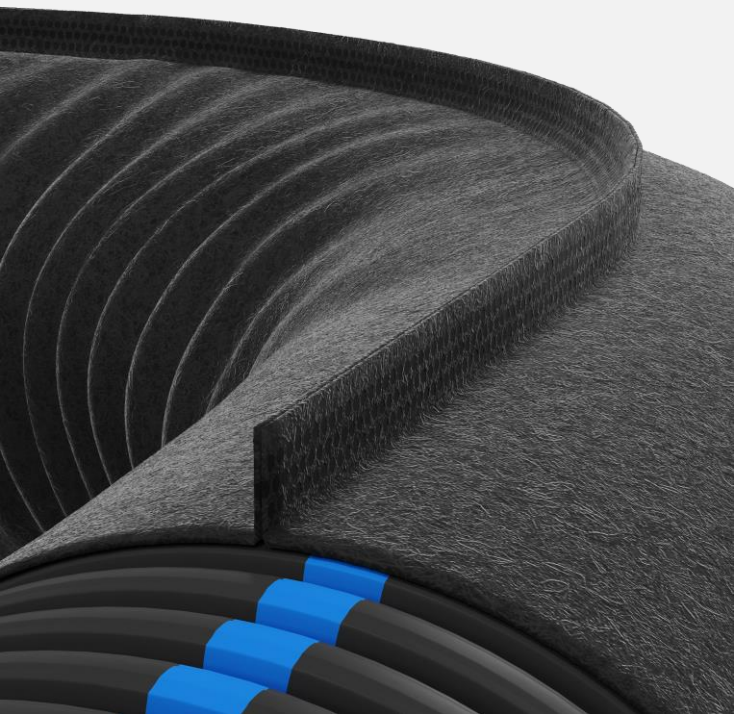


360°

Coils 50m/25m – total perforation 360°

4.1

GEOTEXTILE PROPERTIES

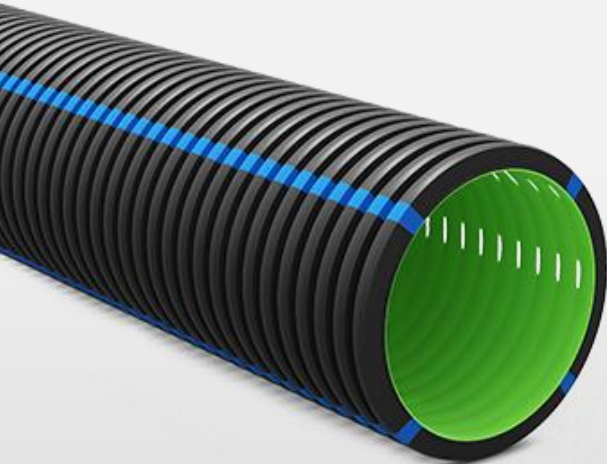


- 150gr/m² special Geotextile needle-punched & non-woven
- Advanced sealing technology for stable and even distribution of the geotextile
PATENT PROTECTED (No. 1008995)
- Developed to meet the needs for the majority of soils
- UV Resistance up to 5 years
- Accompanied by Declaration of Performance and bears the CE marking

4.1

GEODRAIN PROPERTIES

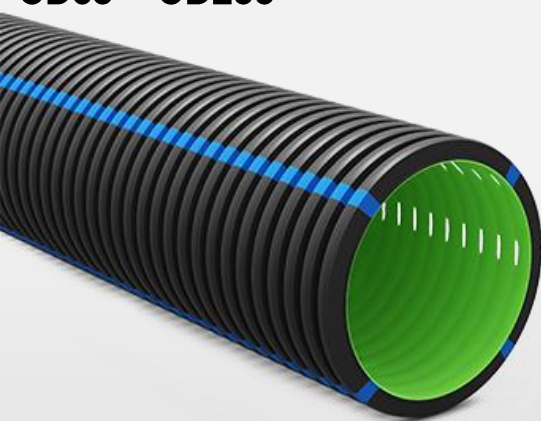
OD63 – OD200



- Available also without the Geotextile
- There are some rare types of soil where the filter zones need to differ:
Soils with no coherence such as yellow calcareous mud or dispersed clays. Those soils are “internally unstable” and contain particles that may easily pass through the filter zones from gravel and geotextile.

4.1

GEODRAIN PROPERTIES

OD63 – OD200

- **SN4 | SN8** Ring Stiffness according to EN ISO 9969
- Perforation of **220°/360°** perforation carried out by advanced machinery along its entire length
- It has **corrosion resistance**
- Exceptional **resistance to solar radiation** thanks to the aging stabilizers incorporated in the raw material of its outer wall
- Its **engraved marking** is a guide for the right laying of pipes on the trench
- Its **much lower weight** facilitates its loading, transport and storage



220°

6m bars – local perforation 220°

360°

Coils 50m/25m – total perforation 360°

4.1

ACCESSORIES & INSTALLATION MATERIALS

End Caps



Connection Coupler
with hooks



Adhesive & Sealant



KEEP IN MIND



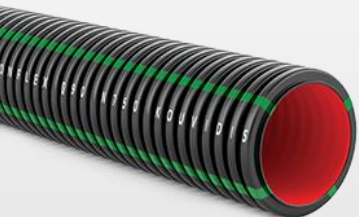
4.2

UNDERGROUND COLOR MARKING

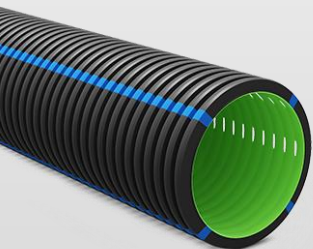
(NF P 98-332)



Red – Power Cables



Green - Telecommunication



Blue - Water

Indelible color marking follows the **NF P 98-332** standard for better identification of the conduits' purpose and contents, increasing safety

4.2

COLOR MARKING PURPOSE



INCREASE SAFETY

At a construction or reconstruction of any given structure, employees on the construction site can easily identify what is inside the conduits by facing the exterior color marking.

FOLLOW US





forever safe