

Hepworth



COMPANY PROFILE



Hepworth

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Hepworth

Hepworth PME LLC, based in Dubai, has been manufacturing and marketing pipes, fittings and related products in the Middle East, for more than 40 years. Hepworth manufactures PVC Soild Wall and Multi layer, HDPE, PPR, PB, ABS pipes and fittings in the UAE, Oman and Qatar. its subsidiary companies in Bahrain and Saudi Arabia and exports throughout the MENA region. Hepworth represents and manufacture pipes and fittings under licence for Wavin and Georg Fischer. also distributes complementary products, including equipment and valves for AVK and many other principals.

For more details, please visit:
www.hepworth.ae



Hepworth


Better
mechanical
properties


Faster
installation


16% less
CO₂

TECHNOCORE

Technology

Traditionally, in the Middle East, soil and drain PVC pipes are extruded as a single solid monolayer during the manufacturing process. Technocore pipes are manufactured by a more complex production process and are composed of three distinct layers: a solid PVC outer layer, a rigid PVC foam middle layer and a solid PVC inner layer.

This innovative technique produces pipes with improved performance properties whilst reducing the total material content.



MULTILAYER PVC PIPING SYSTEM

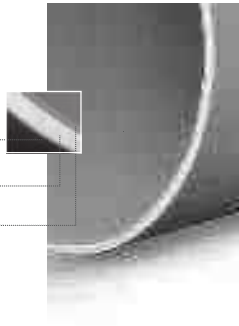
Drain Pipe 110/400mm

Technocore drain pipes are tested to BS EN 13476-2 and Kitemarked. Extensive and independent tests prove they have better performance characteristics than products that meet BS EN 1401-1:2009 (although this standard excludes multi-layer pipes).

Soil Pipe 110/160mm

Technocore soil pipes are tested to BS EN 1453-1:2000 and Kitemarked. Extensive and independent tests prove they have better performance characteristics than products that meet BS EN 1329-1:2000 (although this standard excludes multi-layer pipes).

Solid outer layer
Rigid foam
middle layer
Solid inner layer



Dacta

Non Pressure Above Ground and Underground Soil, Waste and Sewerage System

Dacta pipe system provides an efficient means of drainage for wastewater and foul discharge in both single and multi-storey buildings.

Dacta solvent weld joints are designed to provide a rigid (or restrained) joint connection. Dacta piping systems are engineered for use in a variety of applications, from potable water distribution to sewer and drainage systems.

The system is manufactured in sizes from 82mm to 400mm in light grey or terracotta colours uPVC. The range includes traps, solvent weld systems, soil and vent systems and a full range of floor gullies.

Standard	Product
BS 4514	British Standard Specification for plastic piping systems for PVC soil and ventilating pipes of 82.4mm minimum mean OD.
BS EN 1401	British Standard Specification for plastic piping systems for PVC drainage pipes of 110mm to 400mm minimum mean OD.
BS EN 1329	European Standard Specification for plastic piping systems for soil and waste discharge (low and high temperature) with the building structure – Unplasticized Poly Vinyl Chloride (uPVC).



Soil and Waste System

The push-fit joints allow in the expansion of pipes and incorporate a unique and patented purpose designed sealing method. These lightweight soil systems are simple to instal and maintenance free.

Waste systems are manufactured in 32mm to 50mm size in light grey ABS material in Solvent Weld Waste System.

The Soil and Ventilation systems are manufactured in 82mm to 400mm sizes in light grey uPVC. They include Traps, Push-Fit Waste, Push-Fit Overflow System, Soil and Vent Systems, and Floor Gully Range, Solvent Weld Overflow systems.

The range of soil and waste drainage products comprises of fittings manufactured according to British Standards and are Kitemarked. All of the company's ranges are supported by comprehensive sales, technical and distribution services.

A significant feature of the Hepworth System is the patented Push-Fit jointing method. The solvent jointing methods makes these systems particularly well suited to prefabrication.

Application

To provide an efficient means of drainage of waste water and foul discharge from appliances in single and multi-storey buildings.



Hepworth

uPVC Pressure Pipe & Fittings System



uPVC is highly suitable for both interior and exterior applications as well as for buried pipelines. uPVC is light and clean to handle and can be easily jointed.

Hepworth Watermain Pipes are exclusively available in a full range of nominal diameters from 3/8" for household supply pipe to nominal diameters 24" truck main. 1/2" – 12" is available in stock with Kitemark certification. The PVC Watermain is also available in metric sizes within the range 20mm to 400mm from our stock in accordance with DIN 8062, EN1452-1 and ISO 161-1.

Standards

BSEN 1452-2: 2000 standard has the full endorsement of the water industry and it will provide tangible benefits in terms of reduced maintenance, lower failure rates and increases asset life. It is a standard which points directly towards a further increase in the percentage of uPVC pipes built into our infrastructures.

Application

Being odourless and tasteless, it is suitable for conveying drinking water, raw water supply, irrigation and the transportation of aggressive liquids.



Drainage & Sewerage Systems

SEWERDRAIN system has been designed to use a logical size progression from 110mm to 630mm with a single wall thickness to diameter ratio of SDR 41. A more accurate system using the extra available sizes can be designed, often resulting in considerable cost saving.

Pipes are normally available and are supplied with plain, and integral push-fit joints. The range of products are manufactured according to BSEN 1401 Standard with Kitemark certification.

Physical Properties

Specific Gravity: 1.42

Inflammability: Will not support combustion

Specific Heat: 1.00kj / kg/°c

Thermal Conductivity: 0.180J/ m²/s/°c/m

Impact Strength: Complies with EN 1401 – 1,3505

Tensile Strength: In excess of 45 MN / m² at 20°C

Application

Sewer drain pipes are a proven part of modern building and civil engineering for sewerage and drainage application.





HDPE Soil Waste and Vent Application

HDPE is a complete soil, waste, vent system of pipes and fittings, manufactured from high-density polyethylene. This tough and durable PE system offers an extraordinary chemical resistance in combination with a high flexibility level and great impact resistance, even at low temperatures

PE is available in a range of nominal pipe sizes from 32mm – 315mm, according to EN 1519. The Wavin PE system consists of a large variety of fittings including reducers, elbows, branches, expansion sockets, access fittings, electrofusion couplers and many other products.

Application

The HDPE range for soil, waste and vent pipes and fittings is suitable for the following applications in residential and industrial buildings:

- Sanitary systems
- Washing machines and dishwashers
- Wastewater (laundries, industrial plants, etc.)
- Aggressive fluids (schools, laboratories and industrial buildings)
- Slaughter houses and abattoirs
- Vacuum rainwater discharge systems



Hepworth

HDPE & MDPE Pressure Pipe & Fittings System

To complement the range of items manufactured in Dubai, Hepworth also represents a select group of international manufacturers who further enhance the scope of supply to accommodate other aspects of water and gas flow management. Encompassing diverse fields such as irrigation to fire fighting, and district cooling to domestic water supply, complete systems and individual components can be sourced from one professional outlet.

PE Pipes are available in ranges from 20mm to 800mm. Black and blue colours are available for water applications, whilst yellow is commonly used for gas. PE system consists of a large variety of fittings of Butt fusion, electrofusion, compression and push-fit types.

Physical Properties

The general properties of PE pipes are described as conveniently flexible, good fusibility, tough, strong, resists cracking, low frictional resistance and noncorroding. The exposure of PE to normal temperature does not cause degradation of the material.

Application

Although PE pipes are mainly used for conveying water and gas, they have many other applications, some of which are sewage pumping mains. Slurry conveyance in quarries, mines etc., fire mains, chilled water, de-mineralised water, industrial and chemical applications, submarine pipes, vacuum sewage, telecoms applications, ship building, irrigation and sea water intakes.



uPVC Duct Pipe and Accessories

uPVC Duct Pipes provides long-lasting, cost-effective solutions for industrial and institutional corrosive fume exhaust, drain applications and for LV/HV electrical cable pulling. They have exceptional chemical resistance to a broad spectrum of corrosive fumes, gases and fluids, seamless, large-diameter extrusion provide consistent surface smoothness, uniformity and dimensional stability. Light weight eases fabrication, handling and installation, which reduces the costs of installation.

The range includes Duct End caps, Duct sockets, Duct Bellmouths, Duct 90/45° Long Radius Bends, Duct 90° Street Lighting Long Radius Bends.

Properties

Specific Gravity: 1.42

Vicat Softening Point: 82°C (BS 2782)

Inflammability: Will not support combustion

Specific Heat: 1.00kj / kg/°c

Thermal Conductivity: 1.9x10-3W / (mk)

Tensile Strength: 46.5Nmm -2 (9500 PSI)

Flexural Strength: 93.08Nmm - (13500 PSI)

Application

- Telephone Cables
- High Voltage Underground Cables
- Street and Housing Power Supplies
- Piped TV and Radio
- Factory and Industrial Applications
- Sheathing of Water and Gas Services



Hepworth

PE Fabrication

Hepworth is the pioneer in fabricating polyethylene segmented fittings in the UAE. The company fabricates fittings for many applications including Pressure, Sewerage, Vacuum Sewerage, Gravity and Fire fittings. The custom made fabricated fittings range from bends, tees, reducers, and spools are made to clients' site requirements.

The polyethylene fabricated/segmented fittings are made in accordance to ISO 4427-3. The recent induction of FM and Civil Defense approval has opened up a new market for the segmented fittings in the water supply lines for fire fighting. Our purpose-built pre-workshop house, top of the range + GF + (Georg Fischer) equipment, enabling fabricated fittings to be made from sizes 20mm up to and including 1200mm.



Hepworth

uPVC Fabrication

For more than 40 years, Hepworth has led the field in the design and manufacturing of special plastic fittings. Hepworth's engineered fittings have been installed in sewerage, water supply, irrigation, fire mains, soil, and waste contracts throughout the Middle East.

Grease traps, end caps, land drain slotted pipes, long radius bends for street lighting bends, road gullies, catch basins and sealed dry manholes are just some of the products manufactured by Hepworth's Fabrication Department.

Our skilled workforce operates within the parameters laid down by the British Standards Institutions (BSI) to produce high quality products engineered from uPVC, ABS, and CPVC.

The engineers form, shape and adapt a multitude of plastic products to specifications, using only the highest grade of plastic raw materials in sheet, tube and solid bar form.

All joints are spark tested to ensure that the weld is strong, airtight and watertight. Hepworth has the only facility in the UAE for the drop test in accordance with the BS EN 1401 – 1 for fabricated fittings.



Hepworth

GRP Fabrication

Hepworth is the industry leader in the production of special GRP fittings. Hepworth GRP fittings and joints are suitable for chemicals, effluents, seawater and potable water applications.

Hepworth GRP fittings and joints carry water Research Centre listing as suitable for use in potable water application. GRP fittings as produced as standard to suit all three ranges of fibre cement pipes (AC), ductile Iron (DI) pipes and PVC pipeline. These are manufactured to DIB/ BS/ ASTM/ JIS/ AS/ ASME/ AWWA/ standards and can be manufactured up to 1200mm in diameter.

Special fittings can be tailormade for individual application in our GRP Fabrication Department by our qualified and experienced technicians. A full range of GRP fittings are manufactured e.g.: range of bends, tees, wyes, reducers, flange adaptors and end caps.



Hepworth

Field Installation & Site Services

Our teams can provide full on site technical support and assistance. All of our technical support staff are trained and certified. HEPWORTH's technical support team can offer a full range of joining techniques for PE, PB, PVDF, and PP-R and double containment piping systems. Hepworth has one of the largest hire pools in the UAE of + GF + Electro Fusion and Butt Fusion joining machines and equipment. Full training is available to all our clients by+ GF + qualified &



experienced personnel. Training can be undertaken in the Dubai Training Centre or on-site. Hepworth undertakes on site joining work for Butt, Fusion, Electro Fusion, Socket Fusion and Extrusion welding for HDPE, PP-R & PB. We are also specialized in infrared (I/R) and BCF welding (beadless) techniques for HDPE & PVDF systems.



PP-R PIPE & FITTINGS

Georg Fischer, GF/Hakan Aquasystem & Plastica Alfa PPR pipes and fittings are suitable for hot and cold water transfer in buildings, underfloor and central heating systems. They can also be used for air ducts in industry and agriculture. These PPR systems have a high temperature and pressure resistance and are suitable for drinking water.

Properties & Applications

PPR Aquasystem pipes and fittings are manufactured in accordance to ISO 9001:2008, ISO 14001, DVGW W544, EN ISO 15874-1 to 3, DIN 8077/8078, TSE K 28, DIN 18836 standards with a minimum 50 year lifespan. PPR characteristics such as elasticity, compressive strength and high temperature resistance make it one of the most technologically advanced systems available.

PPR systems are available in a wide range of pipe sizes and fittings from 20mm to 160mm.



GRP Water Tank

Hepworth offers high-quality hot pressed Sectional Water tanks to its clients, with its existing range of products.

GRP Water Tank pursues an optimal system through quality management with strict design standards and reliable structural stress analysis.

A critical aspect in structural analysis is the design according to safety factor at a threshold level.

Our expertise lies in the design of optimal safety factor considering the expected external force (water load in the tank, snow load, wind load, live load, seismic load, etc.) based on the physical properties of the SMC material after long-term use of more than 15 years.

GRP Water Tank's other feature is its Free Capacity Design. The tank is suitable for large-sized underground reservoirs as its structure utilizes horizontal and vertical spaces at the maximum through the use of diverse sizes of panels.

We offer the best Hygienic Properties with the use of excellent corrosion-resistant panels. The surface of the tank is uniformly smooth without any moss growth, and therefore, enables long-term use as the panels inhibit the proliferation of bacteria and other various germs by blocking all the light from outside.

Other major feature of **GRP Water Tank** is water tightness. by using

foam sealing tape Outstanding Thermal effects due to the inherent thermal resistance of the SMC material and polyurethane heat insulating materials. Convenient and close structure special lock mounted Manholes, Internal and External ladders as per the requirements, lowered drainage panel on the bottom, so that it can collect and discharge the water, are other advantages of our water tanks.

Reinforcement System: We offer external reinforcement system that has been designed to support stress that occurs due to the hydrostatic pressure exerted on the outer part of the tank. With minimized use of reinforcing materials inside the tank, it provides perfect hygiene and easy cleaning convenience for clients.

As a substantial action for preventing corrosion due to chlorine gas, the air area is designed without any internal reinforcing material. We provide all the technical and design supports to our clients, contractors and consultants as well.



Corys Geosynthetics is part of Hepworth, the Middle East's premier manufacturer and supplier of high quality plastic piping systems for the distribution and transmission of water, waste water.

Corys Geosynthetics supplies world-class geomembranes, geotextiles, geogrids, geocells and GCL products. If you require supply and installation, we also partner with renowned installers. To date, we have supplied more than 16 million sqm of Kangaroo Plastics branded geomembranes and other geosynthetic products for different applications across the Middle East, Africa, Asia and Australia.

We also provide technical support to contractors and consultants.



Geomembrane

Corys Geosynthetics supplies Kangaroo Plastics branded HDPE, LLDPE, FPP, TPO and VLDPE liners. Our HDPE and other liners are manufactured according to ASTM, BS and DIN standards and meet GRI and EN specifications.

Our Product

1. HDPE, LLDPE PP Geomembrance comes in 7m width thickness from 0.75mm to 3mm in both smooth and textured form
2. VLDPE-mm double-side smooth
3. Welding rod for Geomembrance

Features:

Antioxidant and Ultraviolet (UV) stabilized
High Chemical resistance
High Tear and Puncture resistance
Excellent Stress Crack resistance

Our Standard

Our Geomembranes meet or exceed GRI specification
HDPE Geomembranes - GRI GM 13
LLDPE Geomembranes - GRI GM 17
PP Geomembranes - GRI GM 18

Application

Lining of
Municipal & hazardous waste landfills
Canal/evaporation ponds / lagoons and reservoirs
Foundation & basin liners
Floating covers
Heap leach pads, beauty ponds, underground tanks





Geotextiles

Corys Geotextiles offer a wide range of high performance woven and nonwoven geotextiles, engineered to serve various civil engineering applications like protection, separation, filtration, reinforcement, drainage, etc.

Corys geotextiles are highly durable and are characterized by:

- High puncture resistance
- Good elongation before break
- Excellent filter characteristics at all strains
- Specially chosen fibres for UV protection

Application

Corys Geotextiles are used in road construction, landscaping, slop protection, dams and reservoirs, roofing system, landfill applications, protection of geomembranes, hydraulic applications, asphalt overlays, and much more.

Other Geosynthetic Products

Apart from geomembranes and geotextiles Corys offer other geosynthetic products like geosynthetic clay liners, uniaxial and biaxial geogrids, Geonet and Gabions, based on project requirements.



- | | | | | |
|----------------|-------------|----------------|---------------|----------------|
| 1. Afghanistan | 6. Ethiopia | 11. Kuwait | 16. Maldives | 21. Lebanon |
| 2. Tanzania | 7. India | 12. Seychelles | 17. Mauritius | 22. Uganda |
| 3. Somalia | 8. Iraq | 13. Pakistan | 18. Egypt | 23. Kazakhstan |
| 4. Sudan | 9. KSA | 14. Qatar | 19. Kenya | |
| 5. Djibouti | 10. Bahrain | 15. Singapore | 20. Angola | |

NOTES

Hepworth

The logo consists of the text "+GF+" in a bold, blue, sans-serif font, centered within a white rectangular box with a thin black border.

The logo features the word "wavin" in a blue, lowercase, sans-serif font, enclosed within a blue rounded rectangular border, all set against a white background.

The logo displays the letters "AVR" in a bold, blue, sans-serif font, with a stylized horizontal line through the top of the 'V', set within a white rectangular box.

The logo shows the word "Philmac" in a white, bold, sans-serif font, contained within a blue rectangular box with a white border.

The logo features the word "Talbot" in a bold, blue, sans-serif font, centered in a white rectangular box.

The logo includes the lowercase letters "pb" in a stylized white font with horizontal lines, above the word "PARABOND" in a bold, black, sans-serif font. Below "PARABOND" is the text "PARABOND Pipe Cement Co., Inc." in a smaller font.

The logo features the word "CORYS" in a green, sans-serif font, followed by "MDS" in a blue and red oval, all within a white rectangular box.

The logo shows the word "Tangit" in a white, sans-serif font, set against a black, stylized house-like shape with white lines at the bottom.

The logo features a blue cube icon to the left of the word "MIFAB" in a bold, blue, sans-serif font. Below "MIFAB" is the tagline "Our Reputation is Stainless" in a smaller, blue, sans-serif font.

The logo consists of a solid red square above the text "M'ALPINE" in a white, sans-serif font, all within a white rectangular box.

The logo features the word "CARSON" in a bold, red, sans-serif font, with a compass rose icon integrated into the letter 'O'. Below "CARSON" is the text "INDUSTRIES, LTD." in a smaller, black, sans-serif font.

The logo shows the word "HOROBIN" in a blue, sans-serif font, enclosed within a yellow rectangular box with a blue border.



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