



## Langmatz Modular Structural Pits & Equipment Vaults

**Adaptable and robust solutions for underground services**

DS0064 R3 Langmatz Modular Structural Pits & Equipment Vaults Datasheet 06/2024

**Langmatz modular pits are made in Germany and are engineered for a lifetime of over 40 years.**

The use of structural foamed polycarbonate (SFPC) in a honeycomb modular design delivers outstanding performance under dynamic and static load conditions. The SFPC material is extremely strong, heat resistant, flame retardant and resistant to solvents including petrol, diesel and oil. It has been shown by independent testing to be completely non-toxic to ground water.

Langmatz modular pits withstand all foreseeable environmental conditions, including extreme temperatures, rain, salt, petrol and oil.

They also withstand all foreseeable mechanical conditions, including vertical and horizontal static and dynamic forces from trucks and accelerating / decelerating traffic.

Lids are available from AS3996 Class B80 for footpaths and driveways up to Class E400 for application in carriageways. Lids can be cast iron, galvanised steel, composite or paved.

The pit design eliminates the need for a concrete vault or collar, reducing time and cost on site. The head frame can also provide for a height adjustable lid.

The modular design of the pit components provides for a huge range of applications, including building over existing services. Pit components are available in a range of lengths from 250 mm to 2200 mm.

Installation is made easy by the SFPC pit elements, which can be easily separated into layers for manual handling and reconnected as required. No tools are required, thanks to the design of the modular blocks and the provision of tool-free conduit knockouts.

Langmatz modular pits are used in huge numbers worldwide for a wide variety of applications, including electricity (for LV distribution, service connections, pop-up power supplies, cable jointing and cross bonding boxes) telecoms, water, gas and control gear.

## Materials

Component	Material
Pit components	Structural foamed polycarbonate
Pit component connectors (dowel pins)	Polypropylene
Head frame	Hot-dip galvanised steel ( $\geq$ to 70 $\mu\text{m}$ ) or Stainless steel 304
Fixings	Stainless steel 304
Lid	Cast iron, cast aluminium, galvanised steel, paved or composite

## Available Sizes

Length <sup>1,2</sup> (internal)	Height (layers)		Height (head frame support layer)		Height (head frame) for Lid Type			
					Composite	Cast iron, galvanized steel	Paved	
250	70	151	250	66	140	105	95	As required
400		220	580					
650			-					
800								
1165								
1400								

### Notes

- Other sizes available on request up to 2,200 mm length
- External length add 100 mm (nom)

### Other literature available on request

Reports, drawings, technical data sheets, installation instructions, O&M guidelines

