

# Langmatz modular structural pits and equipment vaults

Adaptable and robust solutions for underground services



## 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.

## Modular structural pits and equipment vaults

### Materials

Component	Material	Comments
Pit components	Structural foamed polycarbonate	
Pit component connectors (dowel pins)	Polypropylene	
Head-frame	Hot-dip galvanised	>70 µm
Fixings	Stainless steel	304 grade
Lid	Composite / cast iron / galvanised steel / paved	

### Available sizes

Length <sup>1,2</sup> (Internal)	Height (layers)	Height (head-frame support layer)			Height (head-frame) for lid type			
		Composite	Cast iron, galvanised steel	Paved	Composite	Cast iron, galvanised 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

Test reports, drawings, installation instructions, O&M guidelines  
 For ordering codes and for more information contact your Hiko representative