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## **MERIBIV PVC-U SEWER PIPES – DATA SHEET**

### **Applications**

For buried sewers, drains and soil, waste and venting applications inside buildings.

### **Characteristics**

- Smooth internal surface preventing build up of deposits
- Excellent chemical resistance
- Excellent corrosion resistance
- Excellent abrasion resistance compared to concrete and steel
- Immunity to biological attack
- High rigidity with high resistance to fracture
- Hazen Williams coefficient: C=150
- Light weight for easy handling and installation
- Easily joined with integral bell sockets – no specialised equipment necessary
- Easy connection to concrete and plastic manholes
- A wide range of fittings and accessories available
- For working pressures up to 0.5 bar (4 bar capability in case of blockage)

### **Standards**

Plassim's PVC-U gravity sewer pipes are manufactured according to the following standards:

- Meribiv standard: Israeli Standard 884, EN 1401 and ISO 4435.
- Meribiv foam core: Israeli Standard 21138-2, EN 13476 and ISO 21138-2

## Specification

- Material:
 

|                                         |                        |
|-----------------------------------------|------------------------|
| Specific gravity                        | 1.4 g/cm <sup>3</sup>  |
| Tensile strength                        | 50 N/mm <sup>2</sup>   |
| Modulus of elasticity                   | 3000 N/mm <sup>2</sup> |
| Thermal conductivity                    | 0.15 W/m °C            |
| Specific heat                           | 0.23 kcal/kg °C        |
| Coefficient of linear thermal expansion | 0.08 mm/m °C           |
- Colour: Orange (RAL 8023)
- Length: Standard 3 and 4 meter lengths.  
(Other lengths available on application).
- Joints: Integral bell sockets with rubber seals according to EN681.
- Ring Stiffness: 4kN/m<sup>2</sup> or 8kN/m<sup>2</sup> for heavy duty applications
- Wall thickness:

|                     | Meribiv standard<br>UPVC pipes for underground<br>drainage and sewerage |             | Meribiv foam core<br>Structured wall UPVC pipes for<br>underground drainage and<br>sewerage |             |
|---------------------|-------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------|-------------|
| Nominal<br>Diameter | SN8<br>(mm)                                                             | SN4<br>(mm) | SN8<br>(mm)                                                                                 | SN4<br>(mm) |
| 110                 | 3.2 + 0.8                                                               | 3.2 + 0.6   | 3.4 + 0.6                                                                                   | 3.0 + 0.5   |
| 160                 | 4.7 + 0.7                                                               | 4.0 + 0.6   | 4.9 + 0.7                                                                                   | 4.2 + 0.8   |
| 200                 | 5.9 + 0.8                                                               | 4.9 + 0.7   | 6.2 + 0.9                                                                                   | 5.1 + 0.5   |
| 250                 | 7.3 + 1.0                                                               | 6.2 + 0.9   | 7.7 + 1.0                                                                                   | 6.3 + 0.6   |
| 315                 | 9.2 + 1.2                                                               | 7.7 + 1.0   | 9.7 + 1.2                                                                                   | 7.9 + 0.8   |
| 355                 | 10.4 + 1.3                                                              | 8.7 + 1.1   | 10.9 + 1.3                                                                                  | -           |
| 400                 | 11.7 + 1.4                                                              | 9.8 + 1.2   | 12.3 + 1.4                                                                                  | -           |
| 450                 | 13.2 + 1.6                                                              | -           | 13.8 + 1.6                                                                                  | -           |
| 500                 | 14.6 + 1.7                                                              | -           | 15.3 + 1.8                                                                                  | -           |
| 630                 | 18.4 + 2.1                                                              | -           | -                                                                                           | -           |