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## PRODUCT DATA SHEET

# PUDLO CD20

### DESCRIPTION

**PUDLO CD20** is a 20mm studded membrane which is suitable for both floor and wall applications when used in a **PUDLO Cavity Drain System** (Type C) installation. **PUDLO CD20** is the largest studded membrane within our range.

### USES

**PUDLO CD20** is typically used in floors (please contact **PUDLO** for more information), vaults, tunnels, above and below ground level and other waterproofing applications. **PUDLO CD20** can also be used in liner wall applications.

### BENEFITS

- Complies to BS8102:2009
- Quick and easy to install
- Membrane can be easily cut
- Waterproof and salt inhibiting
- Resistant to root and salt contaminants
- High quality product

### SURFACE PREPARATION

Where **PUDLO CD20** is used in new construction builds it is important that prior to installation the concrete has been placed in accordance with BS 8110 (EN 1992 Part 1) and BS 8007 (EN 1992 Part 3). **All concrete surfaces must be free from dirt and debris with PUDLO Surface Sealer applied to all exposed concrete.**

*Note: It is important that all contaminants are removed from any surfaces suffering from mould or masonry fungi by brushing with specialist products to timbers prior to fixing the membrane. In the event dry rot is present please contact a dry rot specialist for detailed technical assessment before proceeding. Please contact **PUDLO** for more information.*

For all other surface preparation where **PUDLO Cavity Drain System** is against non-concrete surfaces please contact **PUDLO** for further information.

### APPLICATION

#### Floor Application

- **PUDLO Surface Sealer** to be applied to all concrete surfaces prior to **PUDLO CD20** installed. This prevents lime efflorescence and dust forming in the perimeter channels and behind the membrane.
- **PUDLO CD20** is then rolled out across the concrete slab and sealed using **PUDLO CD Tape** and **PUDLO CD Corner Tape** (where internal and external corners occur).
- **PUDLO CD20** sheets should overlap by 3 studs and interlock.
- Fixings should not be applied to floor membranes.





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### Wall Application

\*For areas vulnerable to high water ingress it may be prudent to use **PUDLO CD20** in lieu of **PUDLO CD08 / CD08M**. Please consult **PUDLO** at the earliest opportunity for clarification\*.

- Drill a hole through the **PUDLO CD20**, through the centre of the stud. Please ensure care is maintained when drilling through the membrane.
- Insert **PUDLO Plug S** into the hole and securely fix in place with a wooden mallet.
- Place a strip of **PUDLO CD Tape** at the flanges where no studs are present to securely hold in place.
- Where stud to stud joints are present, the membrane should overlap a minimum of 3 rows and be securely fixed with **PUDLO CD Tape**. In the event there could be severe water ingress, membrane overlaps could also be sealed using **PUDLO CD Overseal Tape**. Please contact **PUDLO** for more information.



### Vaulted Ceilings Application

\*When installing **PUDLO CD20** for a vaulted ceiling application it is best practice to start placing the membrane in the centre of the arch and install the membrane down the vertical walls. Installing **PUDLO CD20** to vaulted ceilings there may be a requirement to fix the studs through the membrane at an angle. For fixings to remain in place securely, use **PUDLO CD Plug** (without seal) and wrap **PUDLO CD Rope** around the studs prior to fixing.

### **FINISHINGS**

Once **PUDLO CD20** has been installed please refer to your design specification with regards to insulation (if necessary). Impermeable floor finishes should not be laid until screed moisture content is below 75% Relative Humidity.

### Stud Frame

**PUDLO Plug** / **PUDLO Plug S** should be installed in a vertical line and corresponding to the stud locations and battens every 600mm centres.

### **VENTILATION**

To achieve a Grade 3 habitable environment in accordance with BS 8102:2009, please ensure adequate ventilation / de-humification or air conditioning is designed and installed accordingly. **PUDLO Cavity Drain Systems** provide a dry, warm habitable space in basements.



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### TECHNICAL INFORMATION

Characteristics	Test Method	Result
Material	-	HDPE
Weight	-	1 Kg/m <sup>2</sup>
Thickness	-	1mm
Stud Height	-	20mm
Colour	-	Black
Temperature	-	-50°C - +80°C
Softening Temperature	-	126°C
Tensile Strength (MD)	BS 12311-2	416N
Tensile Strength (CD)	BS 12311-2	488N
Water Vapour Resistance	-	>3020 MNs/g
Static Load Resistance	BS 12730	>20 Kg
Reaction to Fire	BS EN 13501-1	Class F
Life Expectancy of Product	-	Lifetime of Structure

### LIMITATIONS

**PUDLO CD20** should not be used in applications where hydrostatic pressure resides as a single system. In addition, flat soffits should never be lined with **PUDLO CD20** as it requires a minimum slope of 10%.

### COVERAGE / YIELD

**PUDLO CD20** comes in 2m x 20m rolls with a coverage of 40m<sup>2</sup> per roll.

### PACKAGING

**PUDLO CD20** is clearly packaged and securely wrapped for delivery.

### STORAGE

**PUDLO CD20** must be stored on-site in an upright position to avoid damage to the membrane. Please ensure the membrane is kept under cover and away from high temperatures and flames.

This product comes with a 50 year shelf life.

### ANCILLARY PRODUCTS

- **PUDLO CD08 / PUDLO CD08M**
- **PUDLO CD Perimeter Channel / T-Piece / Corner Piece**
- **PUDLO CD Floor Channel**
- **PUDLO CD Flush Point**
- **PUDLO CD Drainage Outlet**
- **PUDLO CD End Outlet (comes in left or right and outlet is off the end of the channel)**
- **PUDLO CD Central Outlet (central drainage channels)**
- **PUDLO CD Tape (28mm X 22m)**
- **PUDLO CD Corner Tape (150mm x 20m)**
- **PUDLO CD Rope (10mm X 5m)**
- **PUDLO CD Plug / S**
- **PUDLO Surface Sealer**



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### HEALTH & SAFETY

No specific hazards should arise when using **PUDLO CD20** or any other ancillary with the **PUDLO Cavity Drain System**. However, we also maintain precautions should be exercised on-site when handling and storing the product. Please refer to **PUDLO CD20** MSDS for further information.

For further information on accessories that are used with **PUDLO CD20**, please contact **PUDLO** Head Office on 01954 780687 or email [sales@pudlo.com](mailto:sales@pudlo.com).