SUBMAT PIPEFORM

Submat Pipeform is a flexible concrete mattress designed as a stabilisation and protection system for all marine pipework, cables and umbilicals.

Submat Pipeform has been developed as an alternative to the multi-flexible type concrete mattress, where flexibility is specified by the client or is primarily required as being parallel only to the axis of the pipeline.

Pipeform is particularly suited for pipeline stabilisation or pipeline cover.

Pipeform consists of high strength reinforced concrete logs linked together with appropriate strength polypropylene ropes which combine to offer a protective concrete blanket with a high degree of flexibility parallel to the protected pipeline.

Pipeform can be installed with a simple quick release installation beam / frame which can be provided as an integral part of the order.

Pipeform can be manufactured in various sizes / thicknesses and conforms to the requirements of BS 8110 'The Structural Use of Concrete'.

See reverse for Technical Data

A demonstration of a 4m x 1.5m x 4.5m mattress being lifted and draped over a 20" pipe. Approx. weight of example shown is 5.1 tonnes.

SUBMAT PIPEFORM

TECHNICAL DATA

STANDARD THICKNESSES

150mm, 300mm, 450mm, 600mm

Other thicknesses may be manufactured to order.

STANDARD DENSITY

2.4 Tonnes / Cubic Metre.

Lightweight and Heavy Density options are available from 1.8 - 3.6 Tonnes / Cubic Metre.

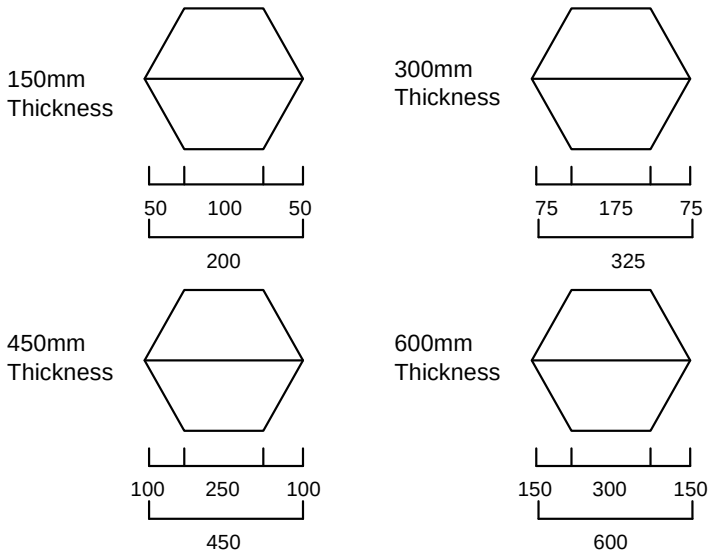
WEIGHTS (Standard Density)
Approx. Weights Per Metre Length of Log (Multiply x Log Length x No Logs for Mat weight)

Thickness	In Air	Submerged
150mm	0.054	0.031
300mm	0.180	0.104
450mm	0.379	0.219
600mm	0.648	0.372

STANDARD MATTRESS SIZES

Maximum log length = 10m
Maximum proposed mattress width = 3m
Width / length of mattress may be adjusted subject to adjustment of log length and No. of logs deployed

STANDARD BLOCK SIZES (N.T.S)



LIFTING ARRANGEMENT

Integral lifting loops connected to quick release frame

CONCRETE DESIGN SPECIFICATION

C40 / C50 - N/mm² @ 28 days

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