RoadGrid

Introduction

Roadgrid is a self-adhesive sheet membrane constructed from a woven polyester grid, an ultra-light PP non-oven geotextile and a bitumen-polymer adhesive compound. Roadgrid is manufactured in Australia.
The product is a tough, durable self-adhesive sheet with an overall thickness of 1.8mm.
Its primary use is for reflective crack control in bridge and roading applications. Roadgrid is used as an asphalt reinforcement grid , with the added feature of being self-adhesive. Being water and vapour resistant Roadgrid has many waterproofing applications in the construction industry.

Specification

Waterproofing should be Roadgrid applied in accordance with BS 8102 and manufacturers recommendations.

Advantages

The primary advantages are:

* high strength , 50x50kN/m reinforcement
* Factory controlled thickness
- Rapid sealing and bonding
- No heating or drying
- Selfsealing to minor damage
- Selvedge strip to promote immediate lap sealing
- High puncture resistance
- High joint resistance to water pressure and water vapour transmission
- BS 5750 registered manufacture (equivalent to ISO Standard 9002)
- Will withstand hot asphalt pours on parking decks

Applications - ideal for carparks/decks, culvert and bridge deck joints, waterproofing foundations, basements, roof & plaza decks , lift shafts, pits, service reservoir roofs, subways, bathrooms, balconies

Property	**Test Method**	**Units**	**Data**
Dimensions			
Backing Thickness	-	mm	0.45
Backing Type	-	mm	Polyester mesh & ultra-light NW
Mesh Size of the Geogrid	-	mm	40x40mm
Adhesive Thickness	-	mm	1.35
Total Thickness	-	mm	1.80
Width	-	mm	1000
Length	-	m	20
Weight	-	kg/m	1.7
Carton Size	-	mm	260x260x1000
Carton Weight		kg	35
Mechanical Properties			
Membrane Strength	ISO 10.319	kN/m	50.0
Elongation	ISO 10.319	%	12
Puncture Resistance	ASTM E154	N	900
Adhesion (180… Peel)	ASTM D1000	N/mm	4.0
Functional Data			
Water Vapour Transmission	ASTM E96	g/sqm/24h	0.40
Water Penetration % Joint	MOAT 27 5.1.4	-	nil
Dimensional Stability	MOAT 27 5.1.6(80…C)	%	
Longitudinal			-0.1
Lateral			-0.2