

KINGSTONE - TECHNICAL PROPERTIES

HDPE Multilayered Structure
iLOCK Technology
Durable & Extra Strong
Outstanding UV Resistance
Excellent Tensile strength
Puncture Resistant, Water Resistance
Excellent Sealing Properties
Non Toxic Safe for Drinking Water
BIS Approved, NHM Approved
An ISO 9001 Certified
An ISO 14001 Certified



Product Available in 12 feet width.
Black Colour - Blue Colour - Custom Colour
250 Micron - 500 Micron - 750 Micron - 1000 Micron

IS 15351:2015



CM/L : 7200181508



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KINGSTONE

GEOMEMBRANE

TECHNICAL DATA SHEET - IS 15351:2015 - KINGSTONE GEOMEMBRANE

PROPERTY	TEST METHOD	KINGSTONE
PRODUCT WEIGHT		440 GSM +/- 3%
THICKNESS		600 MICRON +/- 50
BREAKING STRENGTH	IS 13162 (PART 5)	MD 9000 N / CD 8500 N
TEAR STRENGTH	METHOD A1 OF IS 7016 (P3)	MD 350 N / CD 300 N
HYDROSTATIC RESISTANCE	ANNEX E OF IS 15351	NO LEAKAGE @ 25 KG / SQ. CM
UV WEATHERING	ASTM G154	>90% @ 2000 HRS OF EXPOSURE
HYDRAULIC CONDUCTIVITY	ASTM D 4491	0.0CM/S NO FLOW
BURSTING STRENGTH	IS 7016 (PART 6)	110
PUNCTURE RESISTANCE	ANNEXURE D OF IS 15351	500 N
LOW TEMP. FLEXIBILITY	ASTM D 2136	- 50 DEG C.
LIMITED WARRANTY EXPOSED		05 YEARS
LIMITED WARRANTY BURIED		10 YEARS



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KINGSTONE™ IS MADE BY GEOMEMBRANE EXPERTS. KINGSTONE TEAM HAS 20+ YEARS OF EXPERIENCE IN THE FIELD OF TECHNOLOGY CREATION, PRODUCT DEVELOPMENT, MANUFACTURING, MARKETING AND INSTALLATION OF PRODUCT. KINGSTONE TECHNICAL TEAM DEVELOPED PRODUCTS BASED ON RESEARCH, PAST EXPERIENCE OF FIELD AND MARKET FEEDBACK.

StrongEx

High Strength Woven scrim made on SWISS Loom with iLOCK weaving technology for highest strength.

Kingstone Geomembrane added additives packages for long lasting durability and service life of product. Woven core specially designed for better puncture, abrasion and busting proof. Woven core specially designed with minimum AOS.



WeldEx

KingStone geomembrane are designed based on the last many years research, study, field experience and market survey. To improve the welding performance, Geomembrane made with adding special Co -polymer blend for long term welding strength. Polymer blend helps for faster sealing and resealing the product during repairing.



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CoatEx

KingStone Coating has been done on multi Layered Co-Extrusion machine. All layers of multilayered coating have fine Carbon black, UV and additives for UV, Ozone and Chemical resistance. The multi layered Coating technique gives excellent product bonding, hydrostatic and Puncture resistance.



250 500 750 1000

SpeedEx

KingStone are available in width of 12 feet which helps faster installation at factory and at field site. Wide width panels always reduce seam joints means minimum chances of weld failure. KingStone products width reduce Sealing time and welding Cost.