

Rainstore3 Life Expectancy

Rainstore3's durability is found primarily in its material content and structure. Made from Polypropylene copolymers, a high-grade plastic, Rainstore3 is molded into high-density cylindrical columns.

Polypropylene offers high resistance to weathering, ultra violet rays, water and mildew. Used for its strength, Polypropylene endures drastic temperature changes from summer to winter. Polypropylene is puncture resistant, tear resistant, and maintains its dimensions. Polypropylene is a chemically static polymer and will not leach chemical waste into the surrounding environment or react with most chemicals. All of these features of Polypropylene make Rainstore3 an excellent solution for storm water drainage utilization. Rainstore3 has an expected service life of 70 or more years.

In addition to the Rainstore3 structure, adjoining components offer more advantages to dealing with storm water drainage. All components have similar lengthy product lives.

Geogrid is made from Stress Resistant Polypropylene. Its unique structure allows it to effectively withstand powerful forces, such as weight and pressure exerted from a parking lot. Geogrid's high molecular weight and overall geometrical grid structure provide its strength and support. Expect an extended service life of 70 or more years.

Geotextile filter fabrics are another component used with Rainstore3. Geotextile filter fabrics are made from Polypropylene or polyester. Both synthetics resist disintegration from spores and temperature fluctuations. Expect a life span of at least 70 years for Polypropylene geotextiles and at least 40 years for polyester geotextiles.

The 40-mil PVC liner, used only in Rainstore3 water harvesting operations, offers an expected life of 40 or more years. PVC Polyvinyl Chloride boasts being the oldest and one of the most used geomembrane linings materials available. PVC offers high puncture resistance and doesn't require reinforcement.

*Invisible Structures, Inc. only provides a warranty for the Rainstore3 product and does not warranty installation. See manufacturer terms and conditions for individual product warranties.