

What is Polyurea?

Polyurea is a chemically-developed polymer coating stronger than most commonly used outdoor protective coatings, reaching a 60 on the Shore D Hardness Scale. Polyurea does this by bonding at a molecular level with the surface it has been applied to such as metal, fiberglass, concrete, plastic or wood. As Polyurea is most typically applied by 'spraying' the finish onto a structure, there is maximum flexibility and bends or angles in the product have no effect.

Polyurea can protect various surfaces from physical or chemical damage and can strengthen structure and improve outward appearance. Among the many benefits are its highly flexible and water-resistant properties, as well as an incredibly quick setting time. Polyurea can be used to protect outdoor or indoor wares that are prone to chemical or physical damage. Most commonly for WhiteClouds, it has been utilized to protect our foam letters and models. Like any other coating, colors can be customized to create the visual effect you desire.

Due to the protective effect of Polyurea, the coating has a slightly bumpy texture (like an orange peel) that can be made rougher or smoother according to the desired finish. It will not be noticeable if viewed from a distance, but if a perfectly flat finish is desired for a cleaned, close-up look, this may not be the option for you.

Aromatic Pure Polyurea Coating

DESCRIPTION :	<p><i>Solvent free, two-component pure polyurea coating.</i></p> <p><i>The seamless coating provides an elastic yet tear resistant surface for applications subjected to extreme wear and tear, strong impact and chemical exposure. Except for some yellowing effect, the coating is suitable for outdoor applications. A non-yellowing topcoat is recommended for area where color stable finishing is required. Meets BS 6920 for lining of potable water tanks and pipes.</i></p>
RECOMMENDED USE :	<p><i>Suitable for indoor and outdoor applications.</i></p> <p><i>It is suitable for the following applications</i></p> <p><i>Indoor and outdoor floor slab</i></p> <p><i>Portable water tank & pipe lining</i></p> <p><i>Anti-corrosion coating for buried and submarine steel pipes</i></p> <p><i>Sewage treatment plants</i></p> <p><i>Secondary Containment for chemical tanks</i></p> <p><i>Lining on concrete or brick wall to prevent fragmentation during explosion</i></p> <p><i>Waste water tanks</i></p> <p><i>Waterproofing</i></p> <p><i>Water theme park</i></p> <p><i>Cold room flooring</i></p>
PERFORMANCE :	<p><i>Seamless</i></p> <p><i>Attractive - provides a very smooth and aesthetic surface in a wide range of colours.</i></p> <p><i>Hard wearing - exhibits excellent abrasion resistance</i></p> <p><i>Elastic- Bridge cracks on concrete surface.</i></p> <p><i>Non-skid – excellent grip.</i></p> <p><i>Chemical resistance - very good resistance towards many industrial chemicals.</i></p> <p><i>Not sensitive to environmental conditions during application.</i></p> <p><i>Suitable for extremely cold temperature.</i></p>