



'HYPERUREA PU295A' is two components; polyurea resin based waterproof coating with excellent strength and elongation to provide adaptability to crack of substrate. 'HYPER UREA PU295A' is a 100% solids elastomeric polyurea, volatile free, odorless system applied 1:1 ratio with plural component spray equipment. 'HYPER UREA PU295A' cures in 8-15 seconds, forming a monolithic membrane suitable for concrete and metal applications. As a result, downtime is minimized, allowing rapid return to service of the parts coated.

<b>Recommended use</b>	As a waterproof coating for exposed area of roof and other parts of buildings.  'HYPER UREA PU295A' can be applied to suitably prepared concrete and metal surfaces. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.
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**Physical Properties**

<b>Finish and Color</b>	Semi gloss, Colors are available on request
<b>Specific gravity</b>	Mixed : Approx. 1.07 (kg/L)
<b>Solids by volume</b>	Approx. 100%.
<b>Spreading rate (Theoretical)</b>	2.2 kg/m <sup>2</sup> in 2 mm dry film thickness on a smooth surface.

PHYSICAL PROPERTIES	Properties	Unit	Result
	Hardness	Shore A	> 95 (ASTMD 2240)
	Tensile strength	N/mm <sup>2</sup>	> 18 (KS F 4922)
	Elongation	%	> 300% (KS F 4922)
	Tear strength	N/mm	> 70 (KS F 4922)
	Abrasionresistance	mg	< 10 (ASTMD 4060)

**Application details**

<b>Surface preparation</b>	Do not apply coating unless concrete has cured at least 28 days at 20°C/68°F and below 80% RH or equivalent. Moisture content of the surface must be below 6%. The surface should be free of laitance. This can be accomplished by finishing technique, abrasive blasting, grinding, etc.
<b>Preceding coat</b>	SPORTHANE PRIMER or according to specification.
<b>Method of application</b>	Use high temperature, high pressure, impingement mix plural-components spray equipment. * Application temperature : 65°C (150°F) ~ 75°C (160°F) * Application pressure : 2,000 ~ 3,500 psi.
<b>Mixing</b>	Base(PTA) : Curing Agent(PTB) = 1 : 1 (by volume).
<b>Thinning</b>	Do not dilute
<b>Application</b>	Do not apply when the temperature is less than 5°C/41°F, and relative humidity is above 80%.

<b>conditions</b>	The surface temperatures must be at least 3°C (5°F) above dew point to prevent condensation
<b>Film thickness</b>	Recommended per coat 2– 3 mm dry
<b>Drying time</b>	Tack Free : 8 ~ 15 seconds.
<b>Subsequent Coat</b>	SPORTHANE HIGH HARD LAYER TOPCOAT(EXTERIOR) or according to specification.
<b>Pot life</b>	BASE (PTA) : 6 months CURING AGENT (PTB) : 12 months * Store in cool, dry, well-ventilated place
<b>Recoating interval</b>	Max. 24 Hours

<b>Storage and package</b>	
<b>Shelf life</b>	BASE (PTA) : 6 months CURING AGENT (PTB) : 12 months
<b>Storage</b>	* Store in cool, dry, well-ventilated place.
<b>Packing Unit</b>	Base(PTA) : Curing Agent(PTB) = 180 L : 180 L

<b>Remarks</b>	
<b>Note</b>	<p>The surface is not tacky from rain and snow, SPORTHANE PRIMER should be applied prior to application.</p> <p>In this time, spreading rate of SPORTHANE PRIMER is 0.1Kg/m<sup>2</sup>.</p> <p>Do not store at temperature above 30°C/86°F. Use adequate ventilation.</p> <p>Avoid contact with skin and eyes, and prolonged breathing of solvent vapors.</p> <p>In case of contact, wash with organic solvent and followed by soap and water cleaning.</p> <p>Respiratory protection is recommended when applying this product in confined spaces or stagnant air.</p> <p>Clean equipment with SPROTHANE THINNER immediately after use.</p> <p>If you have any questions about products or you want to know safety information, you can get the MSDS on our Internet Homepage (<a href="http://www.kccworld.co.kr">www.kccworld.co.kr</a>) Or ask the customer's service.</p>
<b>1'st issue</b>	2010-12-01
<b>Revision</b>	

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

