# HYPERUREA PU295A

## 1. OVERVIEW

'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.

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| a. Recommended Use | 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. |

## 2. PHYSICAL PROPERTIES

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| a. Finish and Color | Semi gloss, Colors are available on request |
| b. Gel Time(Tack Free) | 8 ~ 15 seconds. |
| c. Solids by Volume | Approx. 100%. |
| d. Theoretical Coverage | 2.1 kg/㎡ in 2 ㎜ dry film thickness on a smooth surface. |
| e. Specific Gravity | Mixed : Approx. 1.03 (kg/L) |
| f. Hardness (Shore A) | > 95 (ASTM D 2240) |
| g. Tensile strength (N/㎟) | > 18 (KS F 4922) |
| h. Elongation (%) | > 300% (KS F 4922) |
| i. Tear strength (N/㎜) | > 70 (KS F 4922) |
| j. Abrasion resistance (㎎) | < 10 (ASTM D 4060) |

## 3. APPLICATION DETAILS

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| a. Surface Preparation | Do not apply coating unless concrete has cured at least 28 days at 20℃/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 | SPORTHANE PRIMER or according to specification. |

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| c. Application Conditions | Do not apply when the temperature is less than 5℃/41˚F, and relative humidity is above 80%.<br>The surface temperatures must be at least 3℃(5˚F) above dew point to prevent condensation. |
| d. Mixing (impingement mix) | Base(PTA) : Curing Agent(PTB) = 1 : 1(by volume). |
| e. Recoating Interval | Max. 24 Hours |
| f. Thinning | Do not dilute. |
| g. Method of Application | Use high temperature, high pressure, impingement mix plural-components spray equipment.<br>* Application temperature : 65℃(150˚F) ~ 75℃(160˚F)<br>* Application pressure : 2,000 ~ 3,500 psi. |
| h. Film Thickness | Recommended per coat 2- 3 ㎜ dry |
| i. Subsequent Coat | SPORTHANE HIGH HARD LAYER TOPCOAT(EXTERIOR) or according to specification. |
| j. Shelf Life | BASE (PTA) : 6 months<br>CURING AGENT (PTB) : 12 months<br>* Store in cool, dry, well-ventilated place. |
| k. Packing Unit | Base(PTA) : Curing Agent(PTB) = 180 L : 180 L |

## 4. Remarks

The surface is not tacky from rain and snow, SPORTHANE PRIMER should be applied prior to application. In this time, spreading rate of SPORTHANE PRIMER is 0.1Kg/㎡.
Do not store at temperature above 30℃/86˚F. Use adequate ventilation.
Avoid contact with skin and eyes, and prolonged breathing of solvent vapors.
In case of contact, wash with organic solvent and followed by soap and water cleaning.
Respiratory protection is recommended when applying this product in confined spaces or stagnant air. Clean equipment with SPROTHANE THINNER immediately after use.
If you have any questions about products or you want to know safety information, you can get the MSDS on our Internet Homepage (www.kccworld.co.kr) Or ask the customer's service.

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