



SPECIALIZED INDUSTRIAL MATERIALS

ARO-ALPH Dual

TDS

ARO-ALPH DUAL is a new revolutionary non-conventional exterior 100% polyurea coating. This product has been designed specifically to deliver the toughness and abrasion resistant properties of that of an aromatic polyurea but provides the color fast stability of retaining color-fastness for a full range of pigmented colors. Unlike conventional aromatic polyureas, which in a white pigmented system turns yellow in hours when left in direct sun light, ALPH DUAL systems can withstand direct harsh sunlight experiencing no color change after 1 year. ALPH DUAL is available in several hardnesses and reactivities.

Sprayable:

ARO-ALPH DUAL-FH (Fast and Hard) - 50 shore D with 90 seconds gel time

ARO-ALPH DUAL-FF (Fast and Flex) - 85 Shore A with 90 seconds gel time

ARO-ALPH DUAL-SH (Slow and Hard) - 50 Shore D with 120 seconds gel time

ARO-ALPH DUAL-SF (Slow and Flex) - 85 Shore A with 120 seconds gel time

Primary heaters set at 110-120F, Hose Heat 110-120 F and Pressure at gun around 2000 psi using flat pattern spray tip.

ARO-ALPH DUAL Sprayable products may be applied using high pressure heated plural equipment, low pressure heated equipment or using cold spray cartridge equipment.

****All gel times are dependent on ambient air and substrate temperatures.**



| ARO-ALPH DUAL PHYSICAL PROPERTIES | | |
|-----------------------------------|------------|-----------------------------------|
| Tensile Strength | ASTM D412 | 3600 PSI |
| Elongation | ASTM D2256 | 350% |
| Hardness – Shore A | ASTM D785 | 80-85 A |
| Abrasion – taber cs17 | ASTM D4060 | 45 mg/1K cycles |
| UV Testing | Visual | 18+ months, no white color change |

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