



Lubrizol

PAINTS & COATINGS

APTALON™ W8060

WATER-BORNE SELF-CROSSLINKING POLYURETHANE DISPERSION

Aptalon™

Aptalon™ W8060 is a water-borne, self-crosslinking polyurethane dispersion composite using patented Aptalon™ polyamide technology in the backbone. Aptalon W8060 is designed for high performance wood flooring applications. Aptalon W8060 is NMP, NEP, and APEO free which allows for globally compliant formulations. Coating formulations made with Aptalon™ technology are designed to deliver very high performance properties in a 1 component system. The patented backbone chemistry gives the resin hydrolysis resistance, hardness, and chemical resistance that out performs other waterborne polyurethane chemistries. Formulated Aptalon W8060 has performance matching or exceeding a 2K water-borne finish without the need for external cross-linkers.

Excellent Hardness

With its unique chemistry Aptalon W8060 provides one of the hardest waterborne coatings on the market. Its hardness meets or exceeds that of 2-component water-based and solvent-based coatings without the hazards associated with them. This makes Aptalon W8060 the perfect dispersion for your hardwood flooring needs.

Chemical and Water Resistance

No longer will you have to worry about spilling your beverage or ketchup on the floor at a game, Aptalon W8060 has some of the best chemical resistance properties on the market. Aptalon W8060, if formulated correctly, has the ability to pass the MFMA chemical resistance requirements for sports floors without the need of an external cross-linker.

Excellent Performance and Durability

Aptalon W8060 has the ability to extend the life of floors by combining extreme hardness with excellent abrasion resistance. The unique technology in Aptalon W8060 also provides outstanding resistance to marring and scratching meaning your floors will look better and last longer than ever before.

WHAT WE ADD MAKES THE DIFFERENCE.™

- DURABLE, BEAUTIFUL PROTECTION ON WOOD
- SUITABLE FOR SPORTS, COMMERCIAL, OR DOMESTIC WOOD FLOORS
- NMP, NEP, APEO FREE
- SELF-CROSSLINKING
- EASY TO APPLY

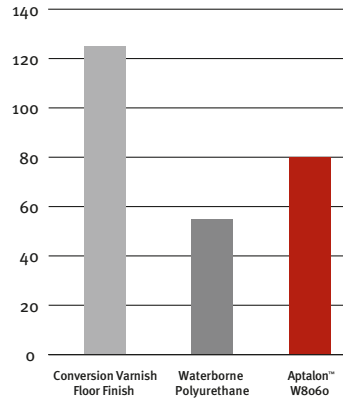


MORE DURABLE FILMS THAT RESIST WEAR AND REQUIRES LESS FREQUENT RECOAT

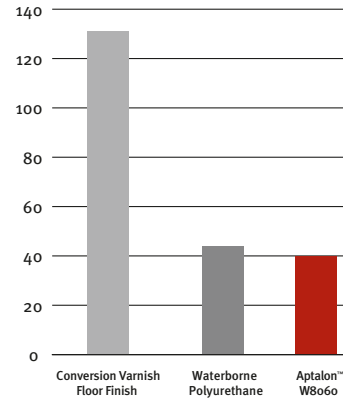
FEATURES AND BENEFITS

- EXTREMELY HARD FINISH
- EXCELLENT CHEMICAL RESISTANCE
- OUTSTANDING ABRASION RESISTANCE

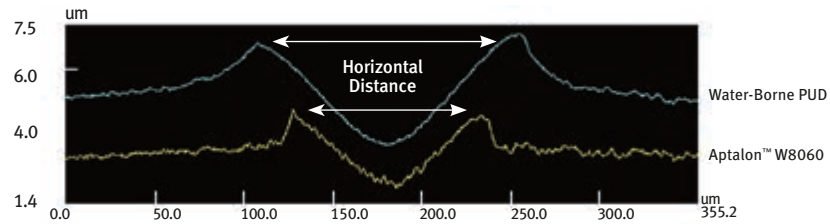
KOENIG HARDNESS
oscillations



TABER ABRASION
Mg loss



SCRATCH HARDNESS



ASTM G171	Normal Force	Ave. Scratch Width (μm)	Scratch Hardness (GPass)
Aptalon™ W8060	1N	90.4	0.312
Water-Borne OMU 2K	1N	108.4	0.217
Water-Borne PUD 2K	1N	123.5	0.167
Water-Borne PUD (1)	1N	136.0	0.138
Water-Borne PUD (2)	1N	144.2	0.123
Water-Borne PUD (3)	1N	151.8	0.111
Aptalon™ W8060	2N	155.0	0.212
Solvent-Borne 2K	2N	134.6	0.281
Solvent-Borne PUD	2N	194.7	0.134
Moisture Cure Urethane	2N	159.4	0.200

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