

Performance testing on ENDURABLE CONCRETE SEALER for HDIP INC.

Abrasion Resistance	H-18 1000 cycles, mg loss	ASTM D 4060	260
Abrasion Resistance	CS-17 1000 cycles, mg loss	ASTM D 4060	25
Modulus of Elasticity, kpsi	ASTM D 638	175-300	
Tensile Strength, psi	ASTM D 638	4400-7200	
Tear Strength, pli	ASTM D 624	150-300	
Artificial Weathering	ASTM D4587	None	
VOC Content	ASTM D3960	< 1%	
Pendulum Hardness Test	ASTM D4366	1 Day – Matte- 38 seconds/Gloss-38 seconds	
Pendulum Hardness Test	ASTM D4366	5 Day –Matte- 154 seconds/Gloss-174 seconds	
Pendulum Hardness Test	ASTM D4366	7 Day –Matte-162 seconds/Gloss-184 seconds	
Coefficient of Friction Test	ASTM D-2047	Dry -- 0.6	Wet -- 0.47
Water Vapor Transmission	ASTM E 96	1.26 grains/hour/square foot	

CHEMICAL RESISTANCE TESTING ACCORDING TO ASTM D 1308 – Product cured for 14 days at 70 degrees Fahrenheit before testing

<u>CHEMICAL</u>	<u>TIME-- 4 hours</u>	<u>Time--24 hours</u>
Betadine	No Effect	No Effect
Bleach	No Effect	No Effect
Gasoline	No Effect	No Effect
Acetic Acid	No Effect	No Effect
Water	No Effect	No Effect

MEK	Slightly Soft	Soft
Brake Fluid	No Effect	Slightly Soft
H2SO4	No Effect	No Effect
IPA	No Effect	Slightly Soft
HCl	No Effect	No Effect
Skydrol	No Effect	No Effect
NaOH	No Effect	No Effect
NH4OH	No Effect	No Effect