

- Interpolymer offers Laboratory Tests data comparing a **Megatran 233-based high solids** floor finish against 3 leading high solids commercial floor finishes on Page 2
- Interpolymer offers **Dry Time Results** of high solids floor finish formulas at a **variety of temperatures and relative humidity** on Page 3
- A series of graphs that illustrate the data presented above on Page 4

## LABORATORY REPORT

### Bench Test Results

TEST SAMPLES	Megatran® 233 High Solids F-20-079-02 Floor Finish	Leading National Competitor “Brand A”	Leading National Competitor “Brand B”	Leading National Competitor “Brand C”
60° SPECULAR GLOSS (70°F / 50%RH) ASTM D1455	58	55	53	47
20° SPECULAR GLOSS (70°F / 50%RH) ASTM D1455	12	8	10	6
3 Coats on BVT (70°F/ 50%RH) ASTM D1436	32,77,89	28,70,88	25,73,87	23,66,84
3 Coats on BVT (80 F/ 84%RH) ASTM D1436	36,78,88	30,72,88 (recoat)	30,67,85 (recoat)	30,68,80 (Recoat)
RUBBER HEEL MARK RESISTANCE ASTM D3714	<b>Excellent</b>	Good	Very Good	Good
POWDER RESISTANCE ASTM D2048	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	Very Good
CRAZING	None	None	None	None
LEVELING ASTM D1436	<b>Very Good</b>	Good	Good	Good
RECOATABILITY ASTM D3153	Initial Final	Good Fair	Good Fair	Good Good
WATER SPOT RESISTANCE ASTMD1793	Initial Final	Very Good Very Good	Good Very Good	Good Good
DETERGENT RESISTANCE ASTM D3207	<b>Excellent</b>	Good	Very Good	Very Good
REMOVABILITY ASTM D1792	Good	Good	Good	<b>Very Good</b>
SLIP INDEX ASTM D2047	0.55	0.58	0.55	0.60
PENCIL HARDNESS ASTM D3363 on glass plate	2H	HB	2H	H
SOLIDS ASTM D2834	30.0	31.1	30.5	31.7
VISCOSITY (cps) LVF @ 22°C	8.0	11.0	6.0	10.0
SWARD ROCKER HARDNESS ASTM D2134	27	22	27	24
pH ASTM E70	8.7	8.6	8.6	8.8

**\*\*Pencil Hardness Scale**

6B-5B-4B-3B-2B-B-HB-F-H-2H-3H-4H-5H-6H

## HIGH SOLIDS FLOOR FINISH FORMULATIONS DRY TIME RESULTS

*3 coats of each finish applied at the indicated conditions and time intervals\**

	Air Temperature	Relative Humidity and Dry Time (Mins.)		
		30%	50%	90%
<b>F-20-088-20(30) MT228</b>	55 F	38	48	55
<b>F-20-079-02(30) MT233</b>	55 F	32	43	54
<b>F-20-079-02(33) MT233</b>	55 F	35	47	56
<b>Leading Competitor Brand B</b>	55 F	62	73	88
<b>Leading Competitor Brand A</b>	55 F	40	55	62
<b>Leading Competitor Brand C</b>	55 F	40	58	72
<b>F-20-56-01(33) MT248</b>	55 F	42	55	66
<b>F-20-088-20(30) MT228</b>	70 F	25	36	50
<b>F-20-079-02(30) MT233</b>	70 F	25	33	44
<b>F-20-079-02(33) MT233</b>	70 F	23	35	48
<b>Leading Competitor Brand B</b>	70 F	55	62	80
<b>Leading Competitor Brand A</b>	70 F	38	45	53
<b>Leading Competitor Brand C</b>	70 F	36	50	65
<b>F-20-56-01(33) MT248</b>	70 F	38	45	60
<b>F-20-088-20(30) MT228</b>	90 F	20	30	42
<b>F-20-079-02(30) MT233</b>	90 F	18	25	41
<b>F-20-079-02(33) MT233</b>	90 F	18	27	43
<b>Leading Competitor Brand B</b>	90 F	38	56	78
<b>Leading Competitor Brand A</b>	90 F	24	38	48
<b>Leading Competitor Brand C</b>	90 F	33	42	60
<b>F-20-56-01(33) MT248</b>	90 F	30	36	49

\* Represents average Dry Time Per Coat

( ) Indicates % solids

