IZEL KIMYA

APPLICATION

SYNTHETIC RESINS - PAINT AND VARNISH / Solvent Based **2 K ACRYLIC RESIN**

IZELCRYL 18B50 1.8 %OH

STARTING PAINT FORMULATION

COMPONENT	AMOUNT %
IZELCRYL 18B50	56
DISPERSION AGENT	0,5
ANTI COLLAPSE	0,3
CALCITE	35
CARBON BLACK	1,5
SOLVENT	6,7

*In paint formulation, resin solid rate is between 30-35% and paint solid ratio is between 65-70%.

PAINT AND VARNISH PROPERTIES

TEST	VARNISH	PAINT
Drying(minute, 20-23°C)	20	35
Hard Drying(hour, 20-23°C)	>24	>24
Pot life(hour, 20-23°C)	12	14
Gloss(60°, 20-23°C)	87	77
Pendulum Hardness(1-5 day/counts ,20-23°C)	115p-256p	95p-225p
*Yellowing Resistance(20-23°C)	1	-
*Cross Cut(GAL/AL/SHT)	0\0\1	0\0\0
*Impact Strength(5N/1000g)(GAL/AL/SH)	1\3\2	1\1\1
*Conıcal Bend Test(20-23°C)(GAL/AL/SHT)	1\1\1	0\0\0
**Abrasion Test(1000 cycle/500 gr)	0,587	0,642

(*)Marked areas are rated as 0 best and 5 worst. Galvanızed(Gal),Sheet(SHT),Alumınum(AL)

(**) Taber Abrasion Test performed according to the mass method

TaberWear Index =(F_{total} x T) / n $F_{total} = A_{first} - B_{End}$ n= cycle T = mass loss at an average of 1000 cycle

Figure1. Aluminum surface impact test

Figure 2. Galvanized surface impact test

Figure 3. Sheet metal impact test

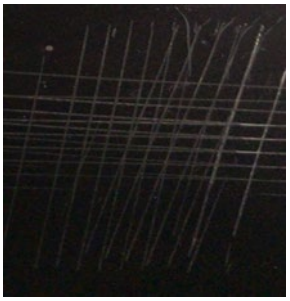

Figure 4. Aluminum surface adhesion test test

Figure 5. Galvanized surface adhesion test

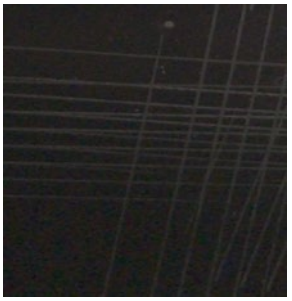

Figure 6. Sheet metal surface adhesion

Figure 7. Yellowing resistance

Note: Experiments were carried out under Izel Kimya laboratory conditions aimed to give information about the product features. Results may vary according to the user and application condition