APPLICATION

SYNTHETIC RESINS - PAINT AND VARNISH / Solvent Based1 K ACRYLIC RESIN

IZELCRYL 28T58

STARTING PAINT FORMULATION

COMPONENT	AMOUNT %
IZELCRYL 28T58	51
DISPERSION AGENT	0,5
ANTI COLLAPSE	0,3
CALCITE	35
CARBON BLACK	1,5
SOLVENT	11,7

* 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)	15	10
Hard Drying(hour, 20-23°C)	24	24
Gloss (60°, 20-23°C)	94	72
Pendulum Hardness (1-5 day/counts ,20-23°C)	180p-298p	138p-250p
*Yellowing Resistance (20-23°C)	5	-
*Cross Cut (GAL/AL/SHT)	2\2\2	2\2\2
*Impact Strength (5N/1000 gr)(GAL/AL/SHT)	5\5\4	4\3\3
*Conıcal Bend Test (20-23°C) (GAL/AL/SHT)	3\3\2	3\3\2
**Abrasion Test (1000 cycle / 500 gr)	0,352	0,284

(*)Marked areas arerated as 0bestand5worst. 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

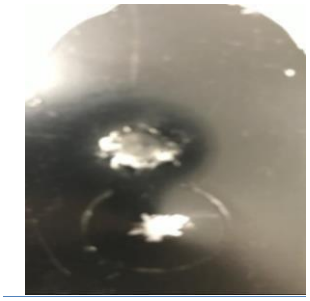

Figure1. Aluminum surface impact test

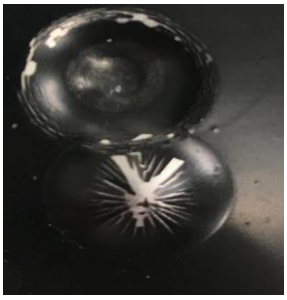

Figure 2. Galvanızed surface impact test

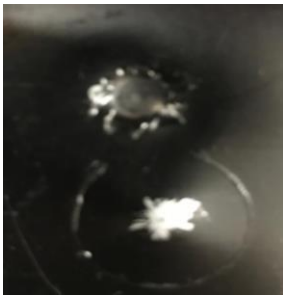

Figure 3. Sheet metal impact test

Figure 7. Yellowing resistance

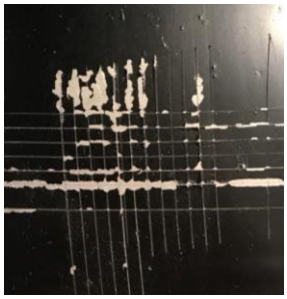

Figure 4. Aluminum surface adhesion test

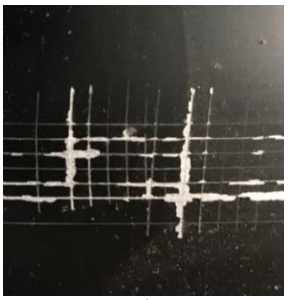

Figure 5. Galvanızed surface adhesion test

Figure 6. Sheet metal surface adhesion test

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