



PAKISTAN COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

Karachi Laboratories Complex
Off University Road, Karachi-75280

14724

Ref: **ILD/ATR-1572/04**

Date: **18-08-2004**

MATERIALS/PRODUCTS EVALUATION

ANALYSIS/TEST REPORT ON SAMPLES DECLARED TO BE: Transparent Sealer TS-141/142
(From M/s Zahabiya Chemicals)

FROM: M/s. Govt of Pak. Pak. Agricultural Research Council Southern Zone, Agricultural Research Centre

NUMBER OF SAMPLES: 01 RECEIVED ON: 02 - 06 - 2004

REF: CASE NO: 1572 /04

METHOD AGAINST WHICH TESTED: LAB. CODE: —

RESULTS

S.#.	Test items	Result	Test Method
1.	Density(25°C)	1.002 gm/ml	D1475
2.	Volatile Content:	81%	D3369
3.	Viscosity: (Brookfield, DV-II, speed 100RPM Spindle 01, at 25°C)	650 cP	D2556
4.	Brushing characteristics: (No dilution,30°C)	slightly heavy dragging, brushing marks appeared. No sagging, slightly heavy spreading, wet edge time 2 minutes	D2939
5.	Spraying properties: (No dilution,30°C)	No dry spray, orange peel appeared, no sagging	D2939
6.	Drying time: - Surface dry - Tack free - Hard dry	5minutes 6minutes 7minutes	D1640
7.	Hardness: (50% Relative Humidity,30°C)	2 ½ HB leaves the film uncut, no scratch, No crumble.	D3363
8.	Flexibility: (12.6mm Mandrel,30°C)	No fracture, No cracking or loss of adhesion.	D3111
9.	Adhesion:	70% Loss of adhesion	D3359
10.	Resistance to Salt: (4%NaCl solution)	No sign of blistering or removal of coating	D1647
11.	Degree of dispersion (30°C)	Zero	D1210
12.	Resistance to Humidity: (100% Relative humidity)	No sign of blistering or removal of coating.	D2247

(Khalil Ahmad)
S.S.O.

(Muhammad Aijaz)
S.O.

(Zia-ul-Haq Farooqui)
P.S.O/OIC
Materials Science Research Centre

(Khalid Mahmood)

(Arshad Ullah Siddiqui)
J.S.O.

(S. Naeem Mahmood)
Director General

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