



PAKISTAN COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

Karachi Laboratories Complex
Off University Road, Karachi-75280

14722

Ref: **ILD/ATR-1570/04**

Date: 18 -08-2004

MATERIALS/PRODUCTS EVALUATION

ANALYSIS/TEST REPORT ON SAMPLES DECLARED TO BE: **Sealing Adhesive ZSAC-10/55**
(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: 1570 /04

METHOD AGAINST
WHICH TESTED:

LAB. CODE: —

RESULTS

S.#.	Test items	Result	Test Method
1	Density (25°C)	1.18 gm/ml	D1475
2	Volatile Content:	42%	D2369
3	Viscosity: (Brookfield, DV-II, Speed 100RPM Spindle 03, at 25°C)	2030 cP	D2556
4	Brushing characteristics: (mixing Ratio 75:50, sealant: H ₂ O, 30°C)	Easy dragging, No brushing marks appeared moderate, aging, easy spreading, wet edge time 11 minutes	D2939
5	Spraying properties: (Mixing ratio 75:50, sealant: H ₂ O, 30°C)	No dry spray, No orange peel appeared, Heavy sagging	D2939
6	Drying time: - Surface dry - Tack free - Hard dry	10 minutes 25 minutes 30 minutes	D1640
7	Hardness: (50% relative Humidity, 30°C)	1000 leaves the film uncut, not rupture or scratch	D3363
8	Flexibility (12.6mm Mandrel, 30°C)	No fracture, No cracking or loss of adhesion	D3111
9	Adhesion:	55% Loss of adhesion	D3359
10	Resistance to Salt: (4% NaCl solution)	A little bulging appeared and edge rusted.	D1647
11	Degree of dispersion (30°C)	20 my	D1210
12	Resistance to Humidity: (relative Humidity 100%)	A little blistering appeared and edges rusted	D2247

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* Please see instruction overleaf.

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