

Report

Protan SE

Order number: 0262-V-08/1 Ref.: KVZ/JV

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Reference principal : KOMO-attest-met-productcertificaat CTG-335

Subject : product inspection in the framework of certification

Date of order : 2008.09.16

Date of report : 2008.11.19

Rapporteur : K. van Zee

Authorisation : prof. ir N.A. Hendriks

Initials :



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Re : Protan SE
Certificate number : CTG-335

1 Introduction

By order of INTRON Certificatie B.V. and in the framework of a verification test for the maintenance of the KOMO attest-met-productcertificaat CTG-335, BDA Keuringsinstituut B.V. has investigated the product 'Protan SE'.

On 24 September 2008 a sample has been taken by Mr W.C. Wiersma of BDA Keuringsinstituut B.V. in the warehouse of Bollen Daksystemen B.V. in Tilburg (NL).

See annex A for the package data and sampling form.



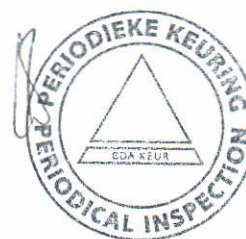
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2 Test method

The determination of the hail resistance has been performed according to EN 13583: Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of hail resistance (2001-07).

The test has been performed on a hard support: steel plate with sand paper (grain 120) on top, and a soft support: EPS (20 kg.m⁻³).



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3 Results

3.1 Resistance to hail

Support	Result
EPS (20 kg.m ⁻³)	5 x perforation at a velocity (v_s) of 50 m.s ⁻¹
sand paper on steel plate	5 x perforation at a velocity (v_s) of 22 m.s ⁻¹

Remark:

It shall be emphasized that this survey only provides an indication at a given moment of the properties of the tested products and/or systems and it does not give evidence regarding the scope of the variations over the course of time.

These results are interpreted:

- either in the framework of a certain project, valid for the tested batch;
- or in the framework of an admission procedure for certification for a general statement, involving the manufacturer's quality assurance.

Gorinchem, 2008.11.19

The laboratory

K. van Zee



BDA Keuringsinstituut B.V.

prof. ir N.A. Hendriks



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Package data

Protan SE 1,2 dark grey F94

2 m x 20 m

ORDER NO:

MATERIAL NO: INSPECTION: **120**

ARTICLE NO: **31512948** PROD.NO: **107226-22**



31512948 40107226-22

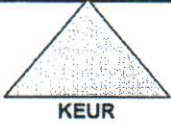


PROTAN AS-P.O.BOX 420-3002 DRAMMEN-NORWAY



Subject to the conditions of Approval as a Class 1
Roof Cover when installed as described in the current
edition of the FM Approval Guide

RUL30812

Sampling form

 KEUR	REGISTRATIEFORMULIER	RF 001/02 blad 1 van 3 bladen
	Bemonsterbon dakbanen	Datum: 02.01.01
OPDRACHT CLvB-009		
Merknaam: Protan SE	Bemonsteradres	
Opdrachtnummer: 0262-V-08	Firma: Bollen Daksystemen B.V.	
Productcode:	Adres: Pijnboomstraat 18	
Certificaathouder: PROTAN AS	Plaats: TILBURG	
Certificaatnr: CTG-335	Tel.: 013-6900950	
Referentie: PROTAN AS	Contact: dhr. Joost Bollen	
Bijzonderheden: Er moet minimaal 10 m³ bemonsterd worden!!!		
BEMONSTERING		
Datum: 24-09-08	Partijgrootte: pallets / rollen	
	Aantal monsters: 1	
	Grootte monsters: 10 m³ bemonsteren	
Ontvangen van: (naam)	Ontvangen door: Wilco Wiersma	
Firma: Bollen Daksystemen B.V.	Firma: BDA Keuringsinstituut B.V.	
Handtekening: 	Handtekening: 	
ONDERZOEK		
Opdrachtgever: Intron Certificatie B.V.		
Soort bemonstering: Verificatie Keuring		
Type keuring:		
Rapportage in: ENG		
Aantal rapporten:		
Datum:		
Naam + paraaf:		
Bijzonderheden:		