

Report

Protan G

Order number: 0263-V-08/1 Ref.: KVZ/JV

Principal : INTRON Certificatie B.V.
Postbus 267
NL-4100 AG CULEMBORG
T: +31(0)345 58 07 33
F: +31(0)345 58 02 08

Contact person : C. Klomp

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 : 2008.11.20

Rapporteur : K. van Zee

Authorisation : prof. ir N.A. Hendriks

Initials :



Pages : 4
Tables : -
Annexes : 1

Order number : 0263-V-08/1 Page: 2
Date : 2008.11.20 of 4 pages

Re : Protan G
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 G'.

On 24 September 2008 according to the information that was supplied by the principal, 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.



Order number : 0263-V-08/1 Page: 3
Date : 2008.11.20 of 4 pages

Re : Protan G
Certificate number : CTG-335

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}).



Order number : 0263-V-08/1 Page: 4
Date : 2008.11.20 of 4 pages

Re : Protan G
Certificate number : CTG-335

3 Results

3.1 Resistance to hail

| Support | Result |
|------------------------------|---|
| EPS (20 kg.m ⁻³) | 5 x perforation at a velocity (v_s) of 47 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, 2008.11.20

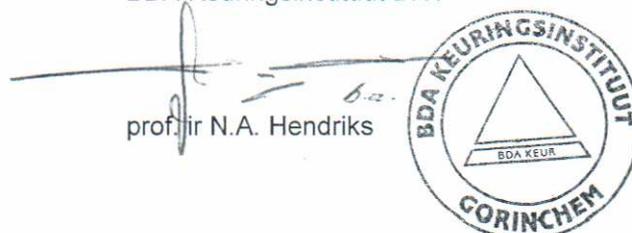
The laboratory

K. van Zee



BDA Keuringsinstituut B.V.

prof. ir N.A. Hendriks



Annex : A Page: 1
Order number : 0263-V-08/1 of 2 pages



Package data

Protan G 1,5 dark grey F94

2 m x 15 m

ORDER NO:

MATERIAL NO: INSPECTION: 121

ARTICLE NO: **31115940** PRODUCTION NO: **3089941-7**



31115940 3089941-7



PROTAN AS-P.O.BOX 42 3002 DRAMMEN-NORWAY



071-CPD-1133
EN 13956
Protan.com



Installation av folie på badetom eller stillestående luft på tak, anbefaler vi bruk av ventilasjonsmaske P2. For nærmere informasjon, se vår nettside: www.protan.no/roofing/

When welding indoors or in confined spaces, please insure that there is adequate ventilation and use a protective mask type A2/P2. For further information, visit Protan's website: www.protan.no/roofing/

RULC

Sampling form

| | | |
|---|---|---|
|  KEUR | REGISTRATIEFORMULIER | RF 001/02 blad 1 van 3 bladen |
| | Bemonsterbon dakbanen | Datum: 02.01.01 |
| OPDRACHT | | CLvB-0010 |
| Merknaam: | Protan G | |
| Opdrachtnummer: | 0263-V-08 | Bemonsteradres |
| Productcode: | | Firma: Bollen Daksystemen B.V. |
| Certificaathouder: | PROTAN AS | Adres: Pijnboomstraat 18 |
| Certificaatnr: | CTG-335 | Plaats: TILBURG |
| Referentie: | PROTAN AS | Tel.: 013-5900950 |
| | | Contact: dhr. Joost Bollen |
| Bijzonderheden: | Er moet minimaal 5 m1 bemonsterd worden!!! | |
| BEMONSTERING | | Partijgrootte: pallets / rollen |
| Datum: | 24-09-08 | Aantal monsters: 1 |
| | | Grootte monsters: 5 m ¹ 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: | | |