

Test Report



Report No. : KZ-14-00352YA-1
C-14-11616
Page No. : 1 OF 2
Date of Report : Jul. 04, 2014

Applicant UFON NANO-CHEMICAL CORP.
Address 8F., No.2 , Lane 348, Sec.2, Jhongshan Rd., Jhonghe City, New Taipei City 23557, Taiwan (R.O.C.)
Supplier UFON NANO-CHEMICAL CORP.
Sample Name UV Resistant Elastomeric Waterproofing Coating (PENTENS T-200H)
STYLE/ITEM NO. PENTENS T-200H
Sample Submitted By UFON NANO-CHEMICAL CORP.(Paul Wong)
Date of Testing Jun. 09, 2014
Date of Testing Witness Jun. 09, 2014~Jul. 04, 2014
Product Specification CNS 8643(1988)Roof Coating for Waterproofing.(Acrylic Resin Type)
Testing Method CNS 8645(1988)Method of Test for Coating for Waterproofing of Building.
Remark The information mentioned in the above section is provided by Client
(Exclude Date of Sample Received and Date of Testing)

TEST RESULTS :

Test Items			Test Result		Requirements
Tensile test	Tensile Strength (kgf/cm ²)	Without treatment	At temp of -10°C	91.9 (300 %)	Greater than 100% of the value of untreated test at 23°C
			At temp of 23°C	30.6	≥ 15
		Heated	At temp of 23°C	44.0 (144 %)	The tensile strength shall be between 80% and 400% of the value of untreated test at 23°C
			Alkali treatment	At temp of 23°C	25.9 (84 %)
	Percentage Elongation at breakage(%)	Without treatment	At temp of -10°C	57	≥ 50
			At temp of 23°C	611	≥ 450
		Heated	At temp of 23°C	500	≥ 300
			Alkali treatment	At temp of 23°C	474
	Tensile Product (kgf/cm)	Without treatment	At temp of 23°C	375	≥ 200

----- 1 -----

The required specification(s) offered in this test report is/are for reference only.
The conformity judgment is at the Applicant's final verdict.


Signed for and on behalf of
SGS Taiwan Ltd.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report



Report No. : KZ-14-00352YA-1
 C-14-11616
 Page No. : 2 OF 2
 Date of Report : Jul. 04, 2014

TEST RESULTS :

Test Items		Test Result	Requirements
Tear Strength(kgf/cm)	Without treatment	At temp of -10°C	Greater than 100% of the value of untreated test at 23°C
		At temp of 23°C	≥ 5
Thermal expansion or contraction ratio(%)		0.30	Expansion ≤ 1, Contraction ≤ 1
Deterioration under elongation	Deterioration under soaking heat	No crack and No deformation	All test pieces shall be free from crack or remarkable deformation

- Remark: 1. Lab. Environmental Conditions: Ambient temperature: (23 ± 2) °C · Relative humidity: (65 ± 5) %.
- The specimens are provided by client.
 - Sample delivered to the laboratory by courier.
 - This Test Report is an additional original report of KZ-14-00352Y-1 C-14-11616.
- Issued date : Sep. 12, 2014

----- oOo -----

The required specification(s) offered in this test report is/are for reference only.
 The conformity judgment is at the Applicant's final verdict.


 Signed for and on behalf of
 SGS Taiwan Ltd.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB2903792

2009



Statement TW12/00055CFP

Product Carbon Footprint Verification Statement

The inventory of Product Carbon Footprint of
Ceramic Coating (PENTENS T202-W)
which is calculated by

UFON NANO-CHEMICAL CORP.

No. 36, Lane 105, Chengfu Rd., Sanxia Dist.,
New Taipei City 23743, Taiwan, R.O.C.

Based on life cycle assessment has been verified in accordance
with ISO 14064-3:2006 as meeting the requirements of

PAS 2050:2011

Total GHG emissions per kilogram of
Ceramic Coating (PENTENS T202-W)
is **2.62** metric kilograms of CO₂e

Basis of Assessment

Cradle-to-Gate

Authorized by

Dennis Yang

Chief Operation Officer of Eastern Asia

Date: 22 April 2012

SGS Taiwan Ltd.
No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District,
New Taipei City 24803, Taiwan
t (02) 22993279 f (02)22999453 www.sgs.com

