



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
القاهرة . جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.

MO1 3993 03 2024

Client

Fly construction chemicals (Millennium-Misr)

Authority & date

Request Orders 5/3/2024

Items Tested

Taneem skem cover , according to EN 998-1

Results

The detailed test results are given on the following pages of this report (5 pages).

Report Typist

*** Mis. Naglaa Mohamed-Sara Abdel Reheam**
Noha Samir

Test carried by

*** Mis . Fatma El Zahraa Fikry**

*** H.Eng. Ahmed Said**

*** Chem. Amr El Shafey**

*** Dr. Abou El Ftouh Abd El Hakem**

Authorized by

Prof. Dr. Mostafa Zaki Mostafa

*** The Supervisor of Ceramics, Polymer and Solid Matter Department.**

*** Management Representative and Quality Assurance Manager.**

Issue date

28/4/2024

Condition of Test & Issue

The test specimen was conditioned at 23 °C with a humidity of 60 % and the needed calibrations as well as balancing of the all used machines were always done .





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To / Fly construction chemicals (Millennium-Misr)

Dear Sir.,

With correspondence to your request dated 5/3/2024 concerning the sample of Taneem skem cover, according to EN 998-1 , we would like to inform you that the all following needed test was carried out which namely :

- 1- Compressive Strength Test after 28days according to EN 1015-11.*
- 2- Flexural Strength Test after 28days according to EN 1015-11.*
- 3- Adhesive Strength Test after 28days according to EN 1015-12.*
- 4- Water absorption Test after 28days according to EN 1015-18.*

We would like to inform you that the needed test was carried out taking into consideration the following conditions:

- 1-In all mechanical properties GALDABINI –QUASAR 600- Testing Machine was used This type of GALDABINI has a self calibration , zero adjusting and automatic balance , which are done daily before testing or during testing this testing instrument is accompanied by a highly reliable system for evaluating the mechanical properties.*
- 2-Measuring drum of sensitivity+0.01mm was used for dimensions evaluation.*
- 3- The all used Machinery and the apparatus were calibrated periodically.*

The following obtained results representing the sample delivered by your company.





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Tests Results

On a sample of Taneem skem cover

Delivered from Fly construction chemicals (Millennium-Misr)

(1) Compressive St. Test after 28days according to EN 1015-11

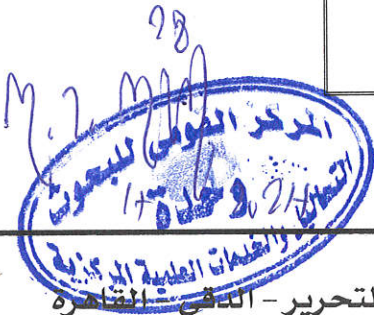
No.	Compressive St. (N/mm2)	The mean Value (N/mm2)
1	14.11	16.65
2	15.01	
3	17.93	
4	19.26	
5	16.94	

(2) Flexural St. Test after 28days according to EN 1015-11

No.	Flexural St. (N/mm2)	The mean Value (N/mm2)
1	5.30	5.67
2	6.21	
3	5.39	
4	5.65	
5	5.81	

(3) Adhesive St. Test after 28days according to EN 1015-12

No.	Adhesive St. (N/mm2)	The mean Value (N/mm2)
1	1.12	1.15
2	1.15	
3	1.17	
4	1.20	
5	1.09	



شارع التحرير - الدقي - القاهرة

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مباشر
وفاكس

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داخلي
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E-mail : nrc1302a@yahoo.com



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Tests Results

On a sample of Taneem skem cover

Delivered from Fly construction chemicals (Millennium-Misr)

(4) Water absorption Test after 28days according to EN 1015-18

No.	Water absorption (%)	The mean Value (%)
1	1.73	1.86
2	1.88	
3	1.97	
4	1.92	
5	1.81	





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*This report was given to you representing only the results for the delivered sample of Taneem skem cover, delivered form Fly construction chemicals (Millennium-Misr) , These results and conclusions were given to you without any responsibility on **THE CERAMICS, POLYMERS AND SOLID MATTER DEP. Of THE MATERIAL TEST LAB** in **THE NATIONAL RESEARCH CENTRE** for pick up the samples to be tested.*

**Head of Director of the Board of Central Department
For Scientifical Analysis and Tests**

&

SUPER VISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA

