



PRODUCT SUBMITTAL "ALEXFLEX PSF"

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·١١٠٤٩٩٩٤٠٦

الادارة : ١٢ ش محمد بن سعد ٤٥ ميامي
القاهرة: ٢ شارع مصطفى النحاس مع الطاقة
المصنع : النوضة ,الكرنك , العامرية , الاسكندرية
السادات : مدينة السادات - المنطقة الصناعية الاولى - قطعة ٢ أ



ورق الشركة



النشرة الفنية

ALEXFLEX PSF



High Performance, Polysulphide Joint Sealant

Description

ALEXFLEX PSF is two components joint sealing component, based on polysulphide, for moving and static joints.

Available in N.S (Non sag) grade and pouring grade.

ALEXFLEX PSF resist a weather condition and UV, it has excellent adhesion force to most substrate such as concrete, brick, steel, aluminum and wood.

Uses

- Sealing horizontal joints which are subjected to continuous expansion and contraction.
- Used for installation of curtain walling and similar structures.
- Used for paint and rendering of swimming pools, bridge decks.
- Used for joints subjected to chemical attack.
- Used for roads, joints, bridges and similar.

Advantages

- High adhesion to most surfaces in building and construction work such as glass, concrete, wood.
- Excellent chemical, hydrocarbon, oil and petroleum products resistant
- Save to use in environmentally sensitive conditions.

Properties

Colour	Grey	
Solid content	100%	
Specific gravity	1.6±0.05kg/L	
Pot life	3 hours	25°C
Application temp	4°C to 60°C	
Initial setting time	24 hours	25°C
Hardening shore	25	
Full cure	7 days	
Tensile Strength	30 kg/cm ²	
Elongation	800%	
Joint Movement	± 50%	
Shrinkage	Nil	

Standard:

ASTM C-1193, C920, BS4254, BS6920
for Gun grade, DIN18540

Guide to application

Application:

- The surfaces of the joint to be sealed must be clean and dry using compressed air.
- Primer is used for the porous materials like concrete.
- Polyethylene foam is used as a backing rod filler to control the joint depth.

- The joint depth must be equal to the width, and the widths not exceed the depth.
- Generally the width not less than 5 mm.

Mixing:

- Mix component (A) and (B) until reaching homogenous consistency, using rod or electric drill.

Packing:

Is available in two pack 5.0 lit.

Coverage:

ALEXFLEX PSF is required for 1m length joint as shown in table.

Width	Depth	Quantity
10mm	10mm	100c.c
25mm	12.5mm	313 c.c
30mm	12.7mm	381 c.c
50mm	12.7mm	635 c.c

Storage:

ALEX FLEX PSF can be stored in unopened container and away from heat and water.

Shelf life:

Up to 12 months

Safety precautions:

- Is safe for employee to handle.
- Not affect human skin.
- Not considered hazardous.

Guarantee:

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

Technical Service:

For any technical advice for using the **ALEXCHEM** contact the technical office.

HEAD OFFICE:

33 Elamgad St,Miami,Alexandria

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ALEX BACKING ROD



Joint Filler Backing Rod

Description

ALEX BACKING ROD is polyethylene foam, rounded, flexible and continuous length. It is used to support cold applied joint sealant. Available in different diameters.

uses

- It is used as a base to control the required depth of the sealant materials
- It is used in tiles floors, concrete roads, runways, bridge expansion joints, dams, sewage treatment plants.
- It is used between prefabricated concrete panels, windows frames and walls.
- Used in glazing and expansion joints application for windows, curtain walls, partitions and doors.

Advantages

- Easy to cut and fix inside the joint.
- Remains flexible and resilient even when compressed and over a wide range of temp.
- Outstanding recovery after compression
- Does not absorb water or affected by weathering.
- Sealant (polysulphide, acrylic, silicone, Polyurethane) will not adhere to it.
- Controls the depth of the joint thus saving the quantity of the joint sealant material used.
- Readily compressible, excellent recovery

Surface preparation

- Clean the sides of the joint.
- It can be easily applied with a blunt rounded tool, and should be installed to a depth permitting the sealant to be applied in accordance with the manufacturer's recommendation.

Properties

Colour	Light and dark grey
Density	35+-10 kg/m ³
compressive stress	25% compressive-0.04 N/mm ²

Standard

ASTM D357-99
ASTM D4819-99
ISO 7214-99

Guide to application

Storage:

ALEX BACKING ROD can be stored for unlimited time, away from excessive heat and direct sun.

Packing and sizes:

250 m for 15 mm diameter
150 m for 20 mm diameter
100 m for 25 mm diameter
(or up on request).

Product Name: ALEXFLEX PSF

1- Material Description:

Description: Two-Component Polysulphide Joint Sealant

Recommended Use: Sealing expansion joints, construction joints, bridge joints, curtain wall joints, swimming pools, roads, and structures exposed to movement and weathering

2- Composition / Information on Ingredients:

Component	Description
Part A	Polysulphide Base compound
Part B	Curing Agent / Hardener

3- General Information:

•It is important to provide sufficient ventilation and to maintain safe atmosphere ventilation is very important for providing labour's safety air and also suitable aid for protection against vapours and dusty powders this can be done by using masks, barrier, creams and protective clothes.

4- Hazard Materials:

GHS Classification

Not classified as hazardous under normal conditions of use.

Potential Health Effects

Eye Contact: May cause mild irritation

Skin Contact: Prolonged contact may cause slight irritation in sensitive individuals.

Ingestion:

Not intended for ingestion. May cause gastrointestinal discomfort.

5- First aid Measures:

Eye Contact:

Eye Contact

Flush immediately with plenty of clean water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact:

Wash thoroughly with soap and water.

Inhalation:

Move affected person to fresh air. Obtain medical attention if symptoms persist.

6-Fire Fighting:

- Used as extinguishing agent suitable for the surrounding fire.
- Firefighters should wear appropriate protective equipment and self contained apparatus.

7- Handling and Storage:

- **Mixing Instructions:**

Mix Component A and Component B until a homogeneous consistency is obtained using a mixing rod or electric drill. Avoid contamination with water during mixing and application.

Storage Conditions:

Store in unopened original containers

Keep away from heat, direct sunlight, and water.

Store in a dry, well-ventilated area.

Shelf Life

Up to 12 months in unopened packaging

8 – Exposure Controls / Personal Protection

Personal Protective Equipment:

Safety goggles recommended during mixing and application.

Protective gloves recommended for prolonged contact.

Ensure adequate ventilation in enclosed areas.

9. Physical and Chemical Properties

Property	Value
Appearance	Paste
Color	Grey
Solid Content	100%
Specific Gravity	1.60 ± 0.05 kg/L
Pot Life	3 Hours at 25°C
Application Temperature	4°C – 60°C
Initial Setting Time	24 Hours at 25°C
Tensile Strength	30 kg/cm ²

10- Accidental Release Measures:

Avoid release to the environment, use appropriate personal protective equipment.

Contain spill and collect with absorbent material and transfer into suitable containers.

Do not flush to sewer or allow to enter waterways. Ventilate enclosed

MSDS-MATERIAL SAFETY DATA SHEET

11 – Toxicological Information

Safe for normal handling by workers.

No known adverse effects on human skin under normal conditions of use.

Not considered hazardous when handled and applied as recommended.

12- Stability and Reactivity:

Stability: Stable

Hazardous Polymerization: Will not occur

Condition to avoid (Stability): Non Known

Incompatible Materials: Strong oxidizing Agents

Conditions to avoid: Non Known

13- Ecological Information:

Avoid uncontrolled release into soil, drains, or waterways.

Product is not readily biodegradable.

No significant environmental hazards expected when properly handled.

14- Disposal Considerations:

Dispose of cured material, contaminated absorbents, and empty containers in accordance with local environmental regulations.

15- Transport Information:

Not classified as dangerous goods for:

ADR (Road Transport)

IMDG (Sea Transport)

IATA (Air Transport)

16 – Manufacturer Information

Manufacturer: Alex Chem Chemical Construction

Technical Office:

•Our MSDS based on using the material in the common use as mentioned in Data sheet and any special use it is recommended to contact our technical office.

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طريقة التشغيل

Application and Execution Method for "Alex Flex PSF"

1. Mixing Ratio

The material comes in a "pail" containing two packages (**Component A**, which is the base paste, and **Component B**, which is the hardener).

- **The Golden Rule:** Both components must be mixed together completely in the exact ratios specified by the manufacturer.
- **Mixing Method:** Use a drill equipped with a mixing paddle (stirrer) at a slow speed for **3 to 5 minutes** until the color becomes completely uniform (with no color streaks). Manual mixing does not provide good workability and may cause the material to fail to cure.

2. Pot Life (Working Time)

- Once the two components are mixed, the chemical reaction begins.
- **Available Time:** You have approximately **2 hours (120 minutes)** at a temperature of 25°C to shape the material and place it into the joints.
- **Caution:** In hot weather (such as summer in Egypt ,KSA), this time decreases, so pouring must begin immediately after mixing.

3. Ease of Application (Consistency)

- **ALEXFLEX PSF (Pouring Grade):** This type is fluid enough to be poured into horizontal joints and is **self-leveling**, meaning it automatically takes the shape of the joint.
- **ALEXFLEX PSF (Gun Grade):** If the joint is vertical (in a wall), you will need the Gun Grade type, which has a "pasty" consistency that does not sag or run.

4. Surface Drying and Curing

- **Surface Drying (Tack-Free Time):** The outer skin cures and sets within **24 hours**.
- **Full Cure:** The material requires **7 days** to reach its full strength, elasticity, and chemical resistance.

Professional Tips for Application

- **Joint Cleaning:** The material will not adhere if the joint contains dust or oils. It must be cleaned thoroughly using a wire brush or compressed air.
- **Primer (Bonding Agent):** To ensure maximum adhesion (especially in swimming pools or water tanks), it is preferred to coat the sides of the joint with **EP Prime Alex** before pouring the sealant.
- **Installing Backer Rods (ALEX Backing Rod):** In the case of deep joints, a backing rod with a diameter slightly larger than the width of the joint is inserted. The backer rod is used to control the depth of the filled material and to prevent the sealant from adhering to the bottom of the joint (allowing the material to flex freely in two directions only).
- **Masking Tape:** Place masking tape on both sides of the joint before pouring to achieve a clean and neat final appearance. Remove the tape immediately after you finish pouring

طريقة تشغيل وتنفيذ مادة "أليكس فليكس بي اس اف"

1. نسبة الخلط (الأهم للتشغيلية)

المادة تأتي في "بستلة" تحتوي على عبوتين (المكون A وهو العجينة الأساسية، والمكون B وهو المصلد).

- **القاعدة الذهبية:** يجب خلط المكونين معاً بالكامل بالنسب المحددة من المصنع.
- **طريقة الخلط:** استخدم شنيور مزود بريشة خلط (قلاّب) وسرعة بطيئة لمدة ٣ إلى ٥ دقائق حتى يصبح اللون متجانساً تماماً (بدون خطوط ملونة). الخلط اليدوي لا يعطي تشغيلية جيدة وقد يسبب فشل المادة في الجفاف.

٢. وقت التشغيل (Pot Life)

- بمجرد خلط المكونين، تبدأ المادة في التفاعل.
- **الوقت المتاح:** لديك حوالي ساعتين (١٢٠ دقيقة) عند درجة حرارة ٢٥ مئوية لتشكيل المادة ووضعها في الفواصل.
- **تنبيه:** في الأجواء الحارة (مثل الصيف في مصر)، يقل هذا الوقت، لذا يجب البدء في الصب فور الخلط.

٣. سهولة التطبيق (Consistency)

- مادة **ALEXFLEX PSF** (نوع الـ Pouring Grade) تكون سائلة بما يكفي لتصب في الفواصل الأفقية وتأخذ شكل الفاصل ذاتياً (Self-leveling).
- إذا كان الفاصل رأسياً (في حائط)، ستحتاج لنوع الـ **Gun Grade** الذي يكون قوامه "معجون" لا يسيل.

٤. جفاف السطح والتماسك

- **الجفاف السطحي:** تتماسك القشرة الخارجية خلال ٢٤ ساعة.
- **الجفاف التام:** تحتاج المادة إلى ٧ أيام للوصول إلى كامل قوتها ومرونتها ومقاومتها للكيماويات.

نصائح احترافية للتشغيلية:

- **تنظيف الفاصل:** لن تلتصق المادة إذا كان الفاصل به أتربة أو زيوت. يجب تنظيفه بفرشاة سلك أو هواء مضغوط.
- **البرايمر (المادة الرابطة):** لضمان أعلى درجة تماسك (خصوصاً في حمامات السباحة أو الخزانات)، يفضل دهان جوانب الفاصل بـ **Alex prime EP** قبل صب المادة.
- **وضع الحشوات الداعمة (ALEX Backing Rod)**

في حالة الفواصل العميقة، يتم وضع **حبل النسخ (Backing Rod)** بقطر أكبر قليلاً من عرض الفاصل.

يُستخدم الباكينج رود للتحكم في عمق المادة المعبأة ومنع التصاق المادة بقاع الفاصل (للسماح للمادة بالعمل بمرونة في الاتجاهين فقط).

شريط اللاصق (Masking Tape): ضع شريط لاصق على جانبي الفاصل قبل الصب للحصول على شكل نهائي نظيف ومنظم، وأزِل الشريط فور انتهاء الصب.



اختبارات

Technical Report of Alex Flex PSF

Customer: ALEX CHEM

Date: 4/8/2026

Sample Conditioning

All sealant specimens were conditioned in accordance with the requirements of ISO 11600 and the relevant referenced ISO test methods.

Before testing, all specimens were allowed to cure for 28 days under standard laboratory conditions at $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 5) \%$ relative humidity.

Upon completion of the curing period, each specimen was subjected to the specific environmental conditioning sequence required by the corresponding test method before mechanical testing or visual evaluation.

Environmental Conditions

- Temperature: $23 \pm 2 ^\circ\text{C}$
- Relative Humidity: $50 \pm 5 \%$
- Distilled water used where applicable.
- Conditioning performed according to relevant ISO methods.



Test Methods :

1-Recovery (ISO 7389)

Following the initial curing period (28 days), the specimens were subjected to the environmental conditioning program specified by the applicable test method. The conditioning consisted of three consecutive ageing cycles, each comprising 3 days of thermal ageing in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$, followed by 1 day of immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$, then 2 additional days of thermal ageing at $(70 \pm 2) ^\circ\text{C}$ and a further 1 day of immersion in distilled water. Upon completion of the three conditioning cycles, the specimens were stabilized under standard laboratory conditions for the period specified in the relevant test method before testing.

2-Tensile Properties at $23 ^\circ\text{C}$ (ISO 8339)

Following the initial curing period, the specimens were subjected to an accelerated environmental conditioning programmer consisting of three consecutive ageing cycles. Each cycle included thermal ageing in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$ for 3 days, followed by 1 day immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$, then 2 additional days of thermal ageing at $(70 \pm 2) ^\circ\text{C}$ and a further 1 day immersion in distilled water. After completion of the three conditioning cycles, the specimens were stabilized under standard laboratory conditions prior to determination of the tensile properties.



3- Tensile Properties at Maintained Extension at 23 °C (ISO 8340)

Following the initial curing period, the specimens were subjected to an accelerated environmental conditioning program consisting of three consecutive ageing cycles. Each cycle included thermal ageing in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$ for 3 days, followed by 1 day immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$, then 2 additional days of thermal ageing at $(70 \pm 2) ^\circ\text{C}$ and a further 1 day immersion in distilled water. After completion of the conditioning program, the specimens were maintained at the specified extension and stabilized under standard laboratory conditions prior to evaluation of the tensile properties at maintained extension.

4- Adhesion/Cohesion Properties at Variable Temperature (ISO 9047)

Following the initial curing period, the specimens were subjected to an accelerated environmental conditioning program consisting of three consecutive ageing cycles involving repeated thermal ageing and immersion in distilled water. Upon completion of the conditioning program, the specimens were stabilized under standard laboratory conditions and subsequently exposed to alternating low-temperature $(-20 \pm 2) ^\circ\text{C}$ and high-temperature $(70 \pm 2) ^\circ\text{C}$ movement cycles while maintained under extension and compression. After completion of the temperature cycling program, the specimens were conditioned at standard laboratory conditions prior to evaluation of the adhesion and cohesion properties.



5- Adhesion/Cohesion Properties at Constant Temperature (ISO 9046)

Following the initial curing period, the specimens were subjected to accelerated thermal ageing by conditioning in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$ for 14 days. Upon completion of the thermal ageing period, the specimens were stabilized under standard laboratory conditions at $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 10) \%$ relative humidity for 1 day prior to evaluation of the adhesion and cohesion properties at constant temperature.

6- Adhesion/Cohesion Properties at Maintained Extension after Water Immersion (ISO 10590)

Following the initial curing period, the specimens were subjected to an accelerated environmental conditioning program consisting of three consecutive ageing cycles. Each cycle included 3 days of thermal ageing in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$, followed by 1 day immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$, then 2 additional days of thermal ageing at $(70 \pm 2) ^\circ\text{C}$ and a further 1 day immersion in distilled water. Upon completion of the conditioning program, the specimens were stabilized under standard laboratory conditions for 24 hours before being immersed in distilled water at $(23 \pm 2) ^\circ\text{C}$ for 4 days. After water immersion, the specimens were conditioned in air under standard laboratory conditions for a further 24 hours prior to evaluation of the adhesion/cohesion properties after water immersion.



7- Adhesion/Cohesion Properties after Water Immersion Elongation at Break % at 23 °C (ISO 10591)

Following the initial curing period, the specimens were subjected to an accelerated environmental conditioning program consisting of three consecutive ageing cycles. Each cycle included 3 days of thermal ageing in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$, followed by 1 day immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$, then 2 additional days of thermal ageing at $(70 \pm 2) ^\circ\text{C}$ and a further 1 day immersion in distilled water. After completion of the conditioning program, the specimens were stabilized under standard laboratory conditions for 24 hours, followed by immersion in distilled water at $(23 \pm 2) ^\circ\text{C}$ for 4 days. The specimens were then conditioned in air under standard laboratory conditions for an additional 24 hours prior to **determination of the tensile properties after water immersion.**

8 -Loss of Volume % (ISO 10563)

Following the initial curing period, the specimens were subjected to accelerated thermal conditioning in a ventilated oven at $(70 \pm 2) ^\circ\text{C}$ for 7 days. During oven conditioning, the specimens were maintained under controlled conditions to ensure uniform heat exposure. Upon completion of the thermal ageing period, the specimens were stabilized under standard laboratory conditions at $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 10) \%$ relative humidity for 24 hours.



Results

Test	Standard	Result	Evaluation
Recovery	ISO 7389	85.0 %	Pass
Tensile Properties at 23 °C	ISO 8339	2.5MPa	Pass
Tensile Properties at Maintained Extension at 23 °C	ISO 8340	No failure	Pass
Adhesion/Cohesion Properties at Variable Temperature	ISO 9047	No failure	Pass
Adhesion/Cohesion Properties at Constant Temperature	ISO 9046	No failure	Pass
Adhesion/Cohesion Properties at Maintained Extension after Water Immersion	ISO 10590	No failure	Pass
Adhesion/Cohesion Properties after Water Immersion Elongation at Break % at 23 °C	ISO 10591	105%	Pass
Loss of Volume %	ISO 10563	7.5 %	Pass

The evaluation (Pass/Fail) was determined according to the acceptance requirements specified in ISO 11600 for the declared sealant classification.

Conclusion: Alex Flex PSF sealant sample pass and accepted according

To ISO 11600.



SPC Director

Prof. Dr. Ashraf EL-Said





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

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معمل اختبار المواد



Test Report

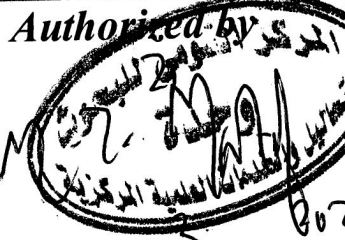
Report No.

Client

Authority & date

Items Tested
Results

Report Typist
Test carried
and supervised by

Authorized by


Issue date

Condition of Test
& Issue

MO1 1042 02 2023

**ALEXANDRIA FOR CHEMICAL
CONSTRUCTION (ALEX CHEM)**

Request Orders 13/2/2023

ALEXFLEX PSF , according to BS 4254

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

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

*** Mis . Fatma El – Zahraa Fikry**

*** H.Eng. Ahmed Said**

*** Chem. Amr El Shafey**

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

Prof. Dr. Mostafa Zaki Mostafa

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

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

21/3/2023

*The test speciemen 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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معمل اختبار المواد



**TO/ ALEXANDRIA FOR CHEMICAL CONSTRUCTION
(ALEX CHEM)**

Dear Sir.,

With correspondence to your request dated 13/2/2023 concerning the testing sample of ALEXFLEX PSF , according to BS 4254 , We would like to inform you that the all following needed tests were carried out which namely :-

- 1- Rheological properties
- 2- Adhesion and tensile modulus
- 3- Adhesion in peel
- 4- Plastic deformation (Recovery)
- 5- Loss of mass after heat aging
- 6- Application life
- 7- Staining (without primer)

We would like to inform you that the all needed tests were 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.

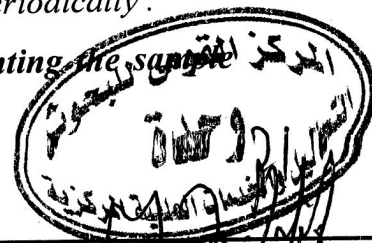
2-Weighing Balance with tolerance $\pm 0.0001g$ was used in determining the weights

3-Measuring drum of sensitivity $\pm 0.01mm$ was used for dimensions evaluation

4- On heating a Memmert West Germany oven was used.

5- The all used Machinery and the apparatus were calibrated periodically .

The following table gives the obtained results representing the samples delivered from your company.





NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
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Material Test Lab.

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Test results On a sample of ALEXFLEX PSF

according to BS 4254

Delivered from ALEXANDRIA FOR CHEMICAL

CONSTRUCTION (ALEX CHEM)

1- Rheological properties

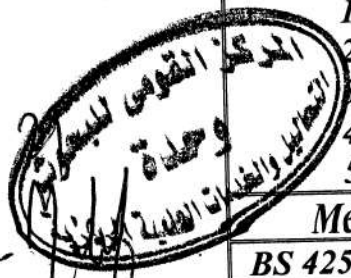
No.	Distance after mixing (mm)	Distance 1hr after mixing (mm)
1	0.88	1.33
2	0.87	1.39
3	0.85	1.43
Mean	0.87	1.38

2- Adhesion and tensile modulus

No.	Total area of failure (mm ²)	Force (N)
1	123.1	33.9
2	122.7	40.3
3	125.4	37.5
Mean	123.7	37.2
BS 4254 Limit	< 100	25 - 270

3- Adhesion in peel

No.	Peel strength (N)	Removed area (%)
1	31.3	22.1
2	30.7	22.3
3	31.1	22.7
4	30.5	23.6
5	30.6	22.5
Mean	30.8	22.6
BS 4254 Limit	> 25	< 25





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معمل اختبار المواد



Test results On a sample of ALEXFLEX PSF

according to BS 4254

Delivered from ALEXANDRIA FOR CHEMICAL

CONSTRUCTION (ALEX CHEM)

4- Plastic deformation (Recovery)

No.	Recovery (%)	Mean (%)	BS 4254 Limit (%)
1	27.8	28.20	< 25
2	28.7		
3	28.1		

5- Loss of mass after heat aging

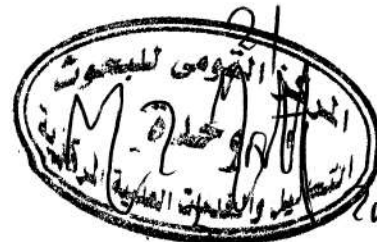
No.	Loss (%)	Mean (%)	BS 4254 Limit (%)
1	9.78	9.77	< 12
2	9.91		
3	9.62		

6- Application life

Time (hrs min)	BS 4254 Limit (hrs)
1 22	> 2

7- Staining (without primer)

No staining in the substrate surface .



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

المركز القومي للبحوث

الدقى . القاهرة . جمهورية مصر العربية
وحدة التحاليل و الخدمات العلمية المركزية
معمل اختبار المواد



This report was given to you representing only the results for testing sample of ALEXFLEX PSF , Delivered from ALEXANDRIA FOR CHEMICAL CONSTRUCTION (ALEX CHEM) , 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*

&

SUPERVISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA



2023





اعتمادات



MOH Acknowledgment Reference No :

صااار رقم :- ...٢٥...
تارياخ :- ٢٠٢٤/١/٢٤ م



وزارة الموارد المائية والري
قطاع التوسع الافقى والمشروعات
الادارة المركزية للتوسع الافقى والمشروعات
الادارة العامة لتنفيذ المشروعات بتوشكى

المسادة / شركة اسكندرية لكيماويات والبناء

تمية طيبة ،،،،، وبعد

بالإحالة إلى نتائج الاختبارات الواردة إلينا من المركز القومي للبحوث بتاريخ ٢٠٢٣/١٢/٢١ م بإجتياز مادة ملء الفواصل الأمامية (ALEX FLEX PSF) إنتاج شركتكم لحدود المواصفات .

لذا/ فإننا نحيطكم علماً بأن المادة بعاليه تم إعتماها ولا مانع من العمل بها في الأعمال التابعة للإدارة علماً بأنه سيتم أخذ عينات تأكيدية بصورة دورية من الشحنات الموردة للموقع لإجراء الاختبارات اللازمة عليها .

برجاء التكرم بالإحاطة والتنبيه بإتخاذ اللازم

"وتفضلوا بقبول فائق الاحترام ،،،،،"

"مدير عام"
الإدارة العامة لتنفيذ المشروعات بتوشكى
أحمد الششتاوي زهران
٥٢٨٩٥

المشروع : مستقبل مصر للتنمية المستدامة

التاريخ: ٢٠٢٤/٣/٣١

عناية الشركة : الزاهي

تحية طيبة وبعد ،،،

بناءً علي النتائج الواردة من المركز القومي للبحوث (معمل إختبار المواد) فانه لامانع من استخدام مادة البولي سالفيد (ALEXFLEX PSE)

المورده من (شركة اليكس كيم) فانه لامانع من استخدام مادة البولي سالفيد لهذه الشركة في أعمال الفواصل الإنشائية لبلاطات الخرسانة في الترع.
مرفق نتائج الإختبارات.

وتفضلو بقبول فائق الإحترام ،،،

مدير الجودة
٢٠٢٤/٣/٣١
م/ مصطفى ابراهيم