

TDS(Technical Data Sheet)

PaintFlex® WB (Water Base)

Paint – Adhesion Paint- Primer



Date:28th May 2025

PaintFlex® Water Base

Technical Product Data

| | PaintFlex® WB (Water Base) |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Chemical base | Water Base Polyolefin & Other ingredients |
| PH- @25°C: | 8 ~ 9 |
| Consistency | Clear and Custom Colors |
| Use | Adhesion Paint-Primer for PVC -Polycarbonate-Plexiglass-Acrylic & Other surfaces |
| Density-g/cm3 @25C | 1.0g/ml |
| Application temperature | 5- 30°C |
| Freezing Point: | 0 °C |
| Solubility(ies) (water) | Miscible |
| Oxidizing properties | Not oxidizer |
| Explosive properties | Not explosive |
| Initial boiling point and boiling range: | 100°C(reference) |

Description

New Generation of Water base Paint developed for
Adhesion Paint-Primer for PVC -Polycarbonate-Plexiglass-Acrylic & Other Hard bond surfaces

PaintFlex® WB is consist & compatible, there is no negative effect with the followings:

- ✓ **CaulkingFlex® Elastic Adhesive in Caulking/Bonding/Sealing**

PaintFlex® WB General information

Water Base Paint

- Single component. Ready to use.
- Transparent Standard Clear (Milky)- Custom RAL Colors

PaintFlex® WB: Easy Apply technology

- Single component Water base Liquid: Ready-to-use liquid.
- PaintFlex® WB does not require hardener, primer or top coat.

Properties:

- No Primer or Top Coat Required
- Food Contact Friendly (No Biocide /Other Hazardous Materials)
FYI: Food Contact Test Report is available

Substrates:

- PVC -Polycarbonate-Plexiglass-Acrylic & Other surfaces

Other Information

- PaintFlex® WB does not harm most paints, varnishes, fiberglass or aluminum alloys, due to varied formulas of paints, varnishes, etc., we recommend avoiding contact with these surfaces to prevent possible damage.
- **Do not mix** PaintFlex® WB with Solvent & Solvent base products like Thinner & Other paint/Coatings
- If it needs, add some clean water. (optional).

Caution:

Use with Adequate ventilation, **do not** contact to wet product. In case of contact to wet product may irritate eyes and skin, Flush with water at least 15 min, consult to your doctor immediately, Avoid repeated and prolonged eyes and skin contact. Keep out of Children. Do not try to eat or swallow or breathe vapor.

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Food Contact Friendly Test - Page 1 of 2

Intertek

INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ RAPORU
EXAMINATION & ANALYSIS REPORT

| | |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rapor No/ Report No: FS1610015604 | Tarih/ Date: 08/12/2016 |
| Analizin Amacı/ Purpose of Analysis: - | |
| Müşteri Bilgileri / Customer Information | |
| Müşteri Adı / Customer Name | Kurisaki Co Ltd. |
| Adres / Address | 1 Higashi, Rokuzo Ota-Ku., Tokyo, JAPAN. |
| Numune Bilgileri / Sample Information | |
| Adı / Name | PaintFlex Water Base Paint |
| Üretici Adı / Producer Name | Kurisaki Co Ltd Japan |
| Tanımı ve Seri - Parti No / Description and Batch Number | |
| Üretim ve Son Kullanma Tarihi / Production & Expiry Date | |
| Ambalajı ve Miktarı / Package and Quantity | 1x570 g adet / samples |
| İlgili Kişi / Contact Person | Kurisaki Co Ltd Japan [info@paintflex.com] |
| Numune kabul tarihi / Sample received / transport by | 25/11/2016 kargo / parcel services |
| Numune alın sıcaklığı / Sample temp when received | |
| Numuneyi teslim alan ve mühür / Submitted by & Seal | Müşteri Mühürsüz / Client None |
| Teklif No / Quotation No | 2368 |
| Analiz başlama ve bitiş zamanı / Start / End of analysis | 28.11.2016 / 08.12.2016 |
| Acıklamalar / Remarks | Revize 2/Revise 2 Müşteri talebi üzerine değerlendirme kaynağı değiştirilmesi nedeniyle rapor revize edilmiştir. Bu revize rapor FS1610015604 numaralı ve 06.12.2016 tarihli raporun yerine kullanılacaktır. 06.12.2016 tarihli ve FS1610015604 numaralı rapor geçersizdir. / Due to the customer demand the report has been revised since interpretation are changed. This revised report will be used instead of report No: FS1610015604 and date: 06.12.2016. The report FS1610015604 and dated 06.12.2016 is invalid. |



Çiğdem Kalın-Yatmaz
Numune Kabul ve Raporlama
Birimi Sorumlusu / Supervisor
of Sample Receiving and
Reporting Section

Fatma Haktan Arman
Kimyasal Analiz Birim
Sorumlusu / Supervisor of
Chemical Analysis Section

08/12/2016
Tasdik Olunmuş / Approved by
Laboratuvar Müdürü / Laboratory Manager
Leyla Yüksel

Bu analiz raporu ağıllı -idari işlemlerde ve reklam amaçlarıyla kullanılamaz. Bu analiz raporunun hiçbir bölümü laboratuvarın yazılı izni olmadan kâğıt, kopya, fotoğraf, ses kaydı veya ayn ayn kullanılamaz. Analiz sonuçları yukarıda belirtilen numune için geçerlidir. İmzası ve mühürsüz raporlar geçersizdir.
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Intertek Test Hizmetleri A.Ş.
Merkez Mahallesi Sanayi Caddesi No 23 Akıncağ Plaza
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Page / Total Pages

Note: Recommend for professional users, more technical and Application information, please contact us. Page 2 of 7

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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ RAPORU
EXAMINATION & ANALYSIS REPORT

Rapor No/ Report No: FS1610015604

Tarih/ Date: 08/12/2016

Analizler / Analyses

| No | Analiz Adı Analysis Name | Sonuç Results | Ölçüm Limiti LOQ | Geri Kazanım Recovery | Ölçüm Belirsizliği Uncertainty | Metot Method | Limit Requirement | Değerlendirme Interpretation |
|----|----------------------------------------------------------------|---------------------------------------------|------------------------|-----------------------------|--------------------------------------|-----------------|----------------------|---------------------------------|
| 1 | Kurşun İçerik Tayini Determination of Lead Content | 0.047 mg/kg | 0.009 mg/kg | - | - | ICP-MS | ≤ 100 mg/kg a | Uygun : Pass |
| 2 | Cıva İçerik Tayini Determination of Mercury Content | 0.019 mg/kg | 0.010 mg/kg | - | - | ICP-MS | ≤ 50 mg/kg a | Uygun : Pass |
| 3 | Arsenik İçerik Tayini Determination of Arsenic Content | 0.032 mg/kg | 0.029 mg/kg | - | - | ICP-MS | ≤ 100 mg/kg a | Uygun : Pass |
| 4 | Krom İçerik Tayini Determination of Chromium Content | 0.417 mg/kg | 0.03 mg/kg | - | - | ICP-MS | ≤ 1000 mg/kg a | Uygun : Pass |
| 5 | Antimon İçerik Tayini Determination of Antimony Content | Tespit Edilemedi / Not Detected mg/kg | 0.25 mg/kg | - | - | ICP-MS | ≤ 500 mg/kg a | Uygun : Pass |
| 6 | Kadmiyum İçerik Tayini Kadmiyum İçerik Tayini | 0.064 mg/kg | 0.009 mg/kg | - | - | ICP-MS | ≤ 100 mg/kg a | Uygun : Pass |
| 7 | Selenyum İçerik Tayini Determination of Selenium Content | 0.168 mg/kg | 0.05 mg/kg | - | - | ICP-MS | ≤ 100 mg/kg a | Uygun : Pass |
| 8 | Baryum İçerik Tayini Determination of Barium Content | 0.803 mg/kg | 0.25 mg/kg | - | - | ICP-MS | ≤ 100 mg/kg a | Uygun : Pass |

LOQ: Ölçüm Limiti / Limit of Quantification LOD: Tespit Limiti / Limit of Detection

Bazı analizler Ar-Ge amaçlı olarak çalışılmalarda ve sonuçlandırılmaktadır. / Some analyses are performed and resulted for R-D purposes in scope of private demand.

(a) k=2, % 95 güven aralığında genişletilmiş ölçüm belirsizliği ile raporlanmıştır. / The reported uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%.

* Müşteri talebi üzerine Council of Europe's resolution AP(89)1 "on the use of colorants in plastic materials coming into contact with food", 13 September 1989 'e göre değerlendirme yapılmıştır. / Due to customer demand analyses results were interpreted according to Council of Europe's resolution AP(89)1 "on the use of colorants in plastic materials coming into contact with food", 13 September 1989.

Çiğdem Kalın Vatansever
Müşteri Kabul ve Raporlama
Birim Sorumlusu / Supervisor
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Fatma Haykan Arman
Kimyasal Analiz Birim
Sorumlusu / Supervisor of
Chemical Analysis Section

08/12/2016
Tespit Olunur / Approved by
Laboratuvar Müdürü / Laboratory Manager
Leyla Yüksel

Bu analiz raporu iddi -idari işlemlerde ve reklam amacıyla kullanılmamaz. Bu analiz raporunun hiçbir bölümü laboratuvarın yazılı izni olmadan kimsenin kopyalanıp, çoğaltılması, tek başına veya ayrı ayrı kullanılmamaz. Analiz sonuçları yukarıda belirtilen numune için geçerlidir. İzlenmez ve malî muamele raporları gönderilmez.
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Rapor Sonu / End of Report

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Date: 28th May 2025

Weathering and Adhesion TEST RESULT REPORT

Ref: JIS K-5600-8-6 PF WB 20100314_01

Examination contents: Weathering and Adhesion Test
 Specimen: 3(Three) pieces of Plastic Boards painted by PaintFlex® WB
 3(Three) pieces of Wood Boards painted by PaintFlex® WB
 Test condition: Weather Resistance acceleration test / Chalking Test
 Testing machine: Sunshine Weather Meter (Suga Test Instruments)
 Standard: JIS K 5600-8-6
 Testing methods for paints-Part 8: 1999
 Evaluation of degradation of Coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance
 Section 6:
 Assessment of degree of chalking by tape method
 Tape: JIS Z 1522 Clear cellophane self adhesive Tape
 Test Time: 2000 Hours (*)
 (*) Equivalent to: Outdoor weathering 15 years

c. Appearance (After 2000hours test)

| | Test Piece No. | Plastic Board | Wood Board |
|--------------------------|----------------|--------------------------|--------------------------|
| No Paint | 1 | Discolored & Chalking | Discolored & Chalking |
| | 2 | Discolored & Chalking | Discolored & Chalking |
| | 3 | - | - |
| Painted by PaintFlex® WB | 1 | Change is not recognized | Change is not recognized |
| | 2 | Change is not recognized | Change is not recognized |
| | 3 | Change is not recognized | Change is not recognized |

ci. Chalking Test (After 2000hours) Result JIS K 5600-8-6 Grade 1~5

Cellophane Tape tears off test

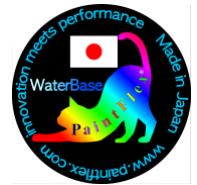
| | Test Piece No. | Plastic Board | Wood Board |
|--------------------------|----------------|---------------|--------------------------------------|
| No Paint | 1 | 5 | Base Material Peeling (Out of Grade) |
| | 2 | 5 | Base Material Peeling (Out of Grade) |
| | 3 | - | - |
| Painted by PaintFlex® WB | 1 | 1 | 1 |
| | 2 | 1 | 1 |
| | 3 | 1 | 1 |

Grade 1: Good and No Change

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Date: 28th May 2025

PaintFlex® WB Anti-Microbial Test Result

Test Method : JIS Z 2911

a. Adjustment of the sample

- a.1. Paint PaintFlex® WB on the JIS P 3801 Filter Paper.
- a.2. Dry 48 hours (Temperature: 20C, Humidity: 75%)
- a.3. Cut the filter paper (Diameter : 30mm) for test piece.

b. Adjustment of the test piece

- b.1. Sink 18 hours the test piece in the water (Water temperature: 20C, 18 hours, Water: 200CC)
- b.2. Wait 2 hours in the room.
- b.3. Wait 2 hours (Temperature: 80 ~ 85C)

cii. Test method

- c.1. Fixing the test piece on the center of culture medium.
(Culture medium -> Water: 1000cc, Glucose: 40g, Agar: 25g)
- c.2. Spray "Suspension mixed spore Pollution liquid" on the test piece and culture medium.
- c.3. Cultivation 2 weeks (Temperature: 28C)

Kinds of mould for test

- | | | |
|-----|--------------------|-----------|
| (a) | Aspergillus niger | ATCC 9642 |
| (b) | Aspergillus Flayus | ATCC 9643 |
| (c) | Penicillium Luteum | ATCC 9644 |
| (d) | Trichoderma T-1 | ATCC 9645 |

Test Result

| Test pieces Test dates | JIS Z 2911 | |
|---------------------------|------------|-------------------------|
| | No Coated | Coated PaintFlex® WB |
| 2 | 2 | 4 |
| 3 | 1 | 4 |
| 7 | 1 | 4 |
| 14 | 1 | 4 |

Evaluation

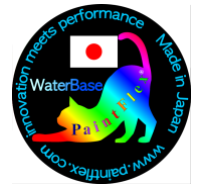
- 1: Mould growth more than Two-thirds (2/3) of the surface area.
- 2: Mould growth between One-thirds (1/3) and Two-thirds (2/3) of the surface area.
- 3: Mould growth less than One-thirds (1/3) of the surface area.
- 4: No mould growth.

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Date: 28th May 2025

Before apply PaintFlex® WB (Surface Preparations for Applying):

- The surface should be clean and free from any dust, grease, oil and loose paint /coatings and other materials.
- Can apply on wet surfaces. (Not a drop of water.)
- If needs, Remove surface contaminants with Wood Cleaner
- Remove any old paint (except PaintFlex® WB) from surface by gentle sanding.
- Fill cracks, holes, gaps, rough surfaces. All fillers must be fully cured before applying PaintFlex® WB

Application:

a. Condition during application

- Apply at temperatures above 5°C / 41°F
- Relative humidity should lower than 70%
- The substrate must be clean

b. Drying (if Substances are dry.)

- Dry to Touch :
 - 20 min(+30°C / 86°F and higher, R.H.: 50%)
 - 1 hours (+5°C / 41°F R.H.: 50%).
- Full Cure: 24 hours

c. Cure Time Between Coats

- 2nd and more layer coats: Wait until Dry to Touch to apply next layer coat.
(Drying and recoat times are dependent on temperature and humidity. Please adjust drying time depending on application site conditions.)
- Sanding is not required between coats

d. Dilution by distilled water:

Brush / Roller: ask us
Spray: ask us

e. Remind

- Use only with adequate ventilation. As with any paint and stain product be certain to provide adequate ventilation. Avoid overexposure, open windows and doors or use other means to ensure adequate fresh air circulation during application and drying.
- If you experience eye watering, headaches, dizziness, or nausea, increase fresh air, leave the area.
- Use respiratory protection before proceeding.
- We do not recommend applying PaintFlex® WB in direct sunlight and Extreme Freezing Cold.

e. Application methods

- PaintFlex® WB can be applied by brush, roller, spray equipment.

f. Stirring PaintFlex® WB

- Step1. Open the bottle.
- Step2. Be sure to mix the pigments thoroughly and evenly.
- Hint: PaintFlex® WB should be thoroughly stirred to achieve a homogeneous liquid before and during application.

Post Application

- Put any unused and un-thinned "PaintFlex® WB" into container with the lid tightly closed for later use.

Cleaning Up

- Clean up any drips, spills or over spray immediately with soap and water before it dries. Tools should be cleaned with tap water and soap right after finishing application.

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Theoretical coverage:

- 1Kg (Quarter Gallon) for Smooth surface: around 20-30m² (200-300sqft)
- 1Kg (Quarter Gallon) for rough surface: around 10-20m² (100-200sqft)
- Coverage can vary depending on the smoothness and the temperature and humidity conditions at the time of application

Shelf Life (Storage @25C):

- 2 years in opened bottles (original sealed broken, you may need to add clean water and shake the bottle to agitate.)
- Store out of direct sunlight and Extreme Freezing temperatures.
- If PaintFlex® WB freezes during shipping or storage, move it to a warm location (room temperature), allow it to thaw completely, and mix thoroughly before use.)

Packing:

- 1 / 2 / 20 Kg Plastic Bottle & Barrel.

Storage:

- Store in cool dry place above at a temperature above 5°C / 40°~50°F
- away from heat and direct sunlight.

Value Bases

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health and Safety Information

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety- related data.

Legal Notes

The information above is provided to guide the user in making their own determination of the suitability of PaintFlex® WB for their project. Any Warranty is only applicable provided PaintFlex® WB instructions for suitability of use, installation, and application are followed. Instructions must be followed exactly.

Please use the following before applications:

