

PFT-253-2K SB

No. TD : P-097
Revision : 04
Effective Date : 11/11/2020

POLYFLOOR EPOXY PFT-253-2K SB is two components solvent-less amine cured epoxy self-smoothing floor topping. This system best apply for heavy duty floor in food, beverage and drug production, pulp and paper industry, hotel kitchen, computer and electrical room, workshop, emergency stair, etc. This floor topping system provides:

1. Food grade (US FDA 21 CFR 175.300)
2. Wide range of chemical resistant
3. Good abrasion resistant
4. Smooth and seamless



PRODUCT SPECIFICATION

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|--|---|
| Type | : Two components solvent-less amine cured epoxy |
| Color | : As shown in the color card |
| Finish | : High gloss |
| Solid by Volume (mixture) | : $\pm 93\%$ |
| Specific Gravity (mixture) | : $\pm 1.48 \text{ gr/cc}$ |
| Material Consumption | : 1.80 kg-set/m^2 for ± 1000 microns DFT |
| Drying Time (30°C) | : |
| - Surface Dry | : 2 hours |
| - Hard Dry | : 20 hours |
| - Full Cure | : 7 days |
| - Open Traffic | : 24 hours for light traffic and 7 days for vehicular traffic |
| Packaging | : 5 and 20 kg-set |
| Storage Stability | : One year in cool and dry storage and in original no opened box. |
| Mixing Ratio by Weight | : Comp A : B = 4 : 1 w/w |
| Pot Life | : 30 minutes 30°C |
| Application Method | : Squeegee, epoxy roll and spike roll |
| Re-coating Interval (30°C) | : 12 - 16 hours until 7 days |
| Application Temperature | : 25 - 35°C |
| Humidity Maximum | : 80 % RH |
| Provide adequate ventilation during application and drying | |

TEST PERFORMANCE DATA

| Item | : Result | Standard Test |
|-----------------------|---|-----------------------|
| Compressive Strength | : $\pm 70 \text{ N/mm}^2$ | BS-6319 Part 2 |
| Bonding Strength | : $\pm 2 \text{ N/mm}^2$ concrete failure | ASTM D-4541 |
| Abrasion Sesistant | : 13 mg loss/ 1000 cycles | ASTM D-4060 |
| Hardness | : ± 80 | ASTM D-4336 (Shore D) |
| Flexural strength | : $15 \pm 2 \text{ N/mm}^2$ | ASTM C-580 |
| Scratch Resistant | : 59x | Crock meter test |
| Gloss Level | : 85 - 95 % | |
| Water Resistant | : Excellent | |
| Solvent Resistant | : Excellent* | |
| Chemical Resistant | : Excellent* | |
| Temperature Resistant | : 0 - 70°C | |

* consult with Propan for solvent and chemical resistance list

SURFACE PREPARATION

Compressive strength of concrete floor must be more than 25 N/mm² in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3°C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning and mechanical cleaning.

| Function | Product and Tools | Coating amount | Curing Time |
|--|---|--------------------------------|-----------------|
| Patching | : Polyfloor mortar PFM-222-3K SF. Mix well and apply with metal trowel. Mixing ratio component A : B : C = 3 : 2 : 35 by weight | 22 kg-set /m ² /cm | ± 8 hrs (30°C) |
| Primer Coat | : Epoxy primer PFP-241-2K SB. Mix well using mixer ± 2 minutes and apply with rubber squeegee and then epoxy roll. Mixing ratio component A : B = 4 : 1 by weight | 0.20 kg-set/m ² | ± 12 hrs (30°C) |
| Top Coat | : Mix component A Polyfloor epoxy PFT-253-2K SB in low speed mixer. Pour component B to component A while stirring and mix well ± 2 minutes. Mixing ratio component A : B = 4 : 1 by weight | 1.80 kg-set/m ² /mm | |
| Top coat can be used in 24 hours for foot traffic and 7 days for vehicular traffic | | | |

RECOMMENDED COATING SYSTEM

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|------------------|---|
| Preceding coats | : Epoxy primer Polyfloor PFP-241-2K SB : Epoxy primer Polyfloor PFP-231-2K WB |
| Subsequent coats | : PU Floor PUAS-620-2K WB series : Polyfloor epoxy PFT-213-2K SF clear : Propan UV Floor series |

CLEANING

POLYFLOOR EPOXY PFT-253-2K SB should be removed from tools and equipments with PROPAN Epoxy Thinner. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

POLYFLOOR EPOXY PFT-253-2K SB is flammable but does not contain heavy metals in its materials such as lead. Avoid Contact with skin and eyes. Do not inhale. Wear suitable protective equipment such as goggles, dust mask and gloves. Do not smoke near this product and use only explosion proof equipment.

First Aid

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|--------------|--|
| Skin contact | : Rinse under plenty of water immediately. Seek medical advice if irritation persists. |
| Eye contact | : Wash off under plenty of water immediately. Seek medical advice if irritation persists |
| Inhalation | : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus. |

PFT-213-2K SF

No. TD : P-192
 Revision : 01
 Effective Date : 14/10/2020

POLYFLOOR PFT-213-2K SF is a two component solvent free amine cured epoxy self-smoothing floor topping system. This system best apply for heavy duty floor in food, beverage and drug production, pulp and paper industry, hotel kitchen, computer and electrical room, workshop, emergency stair, etc.



This floor topping system provides:

1. Food grade (US FDA 21 CFR 175.300)
2. Solvent free therefore environmental friendly
3. Wide range of chemical resistant
4. Good abrasion resistant
5. Smooth and seamless

PRODUCT SPECIFICATION

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|--|--|
| Type | : Two component solvent free epoxy self-smoothing floor topping. |
| Color | : As shown in the color card |
| Finish | : High gloss |
| Solid by Volume (mixture) | : $\pm 97\%$ |
| Specific Gravity (mixture) | : $\pm 1.34 \text{ gr/cc}$ |
| Material Consumption | : 1.50 kg-set/m^2 for ± 1000 microns DFT |
| Drying Time (30°C) | : |
| - Surface Dry | : 2 hours |
| - Hard Dry | : 20 hours |
| - Full Cure | : 7 days |
| - Open Traffic | : 24 hours for light traffic and 7 days for vehicular traffic |
| Packaging | : 5 and 20 kg-set |
| Storage Stability | : One year in cool and dry storage and in original not opened box. |
| Mixing Ratio by Weight | : Comp A : B = 4 : 1 w/w |
| Pot life | : 30 minutes at 30°C |
| Application Method | : Squeegee, epoxy roll and spike roll |
| Re-coating interval (30°C) | : 12-16 hours until 7 days |
| Application temperature | : 25 - 35 °C |
| Humidity maximum | : 80 % RH |
| Provide adequate ventilation during application and drying | |

TEST PERFORMANCE DATA

| Item | Result | Standard Test |
|-----------------------|---|-----------------------|
| Compressive Strength | : $\pm 70 \text{ N/mm}^2$ | BS-6319 Part 2 |
| Bonding Strength | : $\pm 2 \text{ N/mm}^2$ concrete failure | ASTM D-4541 |
| Abrasion Resistant | : 12 mg loss/ 1000 cycles | ASTM D-4060 |
| Hardness | : ± 80 | ASTM D-4336 (Shore D) |
| Scratch Resistant | : 76 x | Crock meter |
| Gloss Level | : 85 - 95 % | Gloss meter |
| Water Resistant | : Excellent | |
| Solvent Resistant | : Excellent* | |
| Chemical Resistant | : Excellent* | |
| Temperature Resistant | : 0 - 70°C | |

* consult with Propan for solvent and chemical resistance list

SURFACE PREPARATION

Compressive strength of concrete floor must be more than 25 N/mm² in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3°C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning and mechanical cleaning.

| Function | Product and Tools | Coating amount | Curing Time |
|-------------|---|--------------------------------|-----------------|
| Patching | : Polyfloor mortar PFM-222-3K SF. Mix well and apply with metal trowel. Mixing ratio component A : B : C = 3 : 2 : 35 by weight | 22 kg-set /m ² /cm | ± 8 hrs (30°C) |
| Primer Coat | : Epoxy primer PFP-251-2K SF. Mix well using mixer ± 2 minutes and apply with rubber squeegee and then epoxy roll. Mixing ratio component A : B = 2 : 1 by weight | 0,20 kg-set/m ² | ± 12 hrs (30°C) |
| Top Coat | : Mix component A Polyfloor epoxy PFT-213-2K SF in low speed mixer. Pour component B to component A while stirring and mix well ± 2 minutes. Mixing ratio component A : B = 4 : 1 by weight | 1.50 kg-set/m ² /mm | |

Top coat can be used in 24 hours for foot traffic and 7 days for vehicular traffic

RECOMMENDED COATING SYSTEM

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|------------------|--|
| Preceding coats | : Epoxy primer Polyfloor PFP-251-2K SF : Epoxy primer Polyfloor PFP-241-2K SB : Epoxy primer Polyfloor PFP-231-2K WB |
| Subsequent coats | : PU Floor PUAS-620-2K WB series : Polyfloor epoxy PFT-213-2K SF clear : Propan UV Floor series |

CLEANING

POLYFLOOR EPOXY PFT-213-2K SF should be removed from tools and equipments with PROPAN Epoxy Thinner. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

POLYFLOOR EPOXY PFT-213-2K SF is flammable but does not contain heavy metals in its materials such as lead. Avoid Contact with skin and eyes. Do not inhale. Wear suitable protective equipment such as goggles, dust mask and gloves. Do not smoke near this product and use only explosion proof equipment.

First Aid

| | |
|--------------|--|
| Skin contact | : Rinse under plenty of water immediately. Seek medical advice if irritation persists. |
| Eye contact | : Wash off under plenty of water immediately. Seek medical advice if irritation persists |
| Inhalation | : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus. |

PFT-215 M-2K SF

No. TD : P-134
 Revision : 02
 Effective Date : 14/10/2020

POLYFLOOR PFT-215 M-2K SF is a two component solvent free high build epoxy self-smoothing floor topping system. This system best apply for heavy duty floor in food, beverage and drug production, pulp and paper industry, hotel kitchen, computer and electrical room, workshop, emergency stair, etc. This floor topping system provides:



1. Food grade (US FDA 21 CFR 175.300)
2. Solvent free therefore environmental friendly
3. Wide range of chemical resistant
4. Good abrasion resistant
5. Smooth and seamless

PRODUCT SPECIFICATION

| | |
|--|--|
| Type | : Two component solvent free epoxy high build |
| Color | : As shown in the color card |
| Finish | : Semi-gloss |
| Solid by Volume (mixture) | : $\pm 97\%$ |
| Specific Gravity (mixture) | : $\pm 1.86 \text{ gr/cc}$ |
| Material Consumption | : 1.60 kg-set/m^2 for ± 1000 microns DFT |
| Drying Time (30°C) | : |
| - Surface Dry | : 2 hours |
| - Hard Dry | : 20 hours |
| - Full Cure | : 7 days |
| - Open Traffic | : 24 hours for foot traffic and 7 days for vehicular traffic |
| Packaging | : 5 and 20 kg-set |
| Storage Stability | : One year in cool and dry storage and in original not opened box. |
| Mixing Ratio by Weight | : Comp A : B = 7 : 1 w/w |
| Pot life | : 30 minutes at 30°C |
| Application Method | : Squeegee, epoxy roll, spiked roll |
| Re-coating Interval (30°C) | : 12-16 hours until 7 days |
| Application Temperature | : 25 - 35 °C |
| Humidity Maximum | : 80 % RH |
| Provide adequate ventilation during application and drying | |

TEST PERFORMANCE DATA

| Item | Result | Standard Test |
|-----------------------|---|-----------------------|
| Compressive Strength | : $\pm 70 \text{ N/mm}^2$ | BS-6319 Part 2 |
| Bonding Strength | : $\pm 2 \text{ N/mm}^2$ concrete failure | ASTM D-4541 |
| Abrasion Resistant | : 20 mg loss/ 1000 cycles | ASTM D-4060 |
| Impact Resistant | : 45 cm (1 kg) | ASTM D-2794 |
| Hardness | : ± 80 | ASTM D-4336 (Shore D) |
| Scratch Resistant | : 50 x | Crock meter |
| Gloss Level | : 80 - 85 % | Gloss meter |
| Water Resistant | : Excellent | |
| Solvent Resistant | : Excellent* | |
| Chemical Resistant | : Excellent* | |
| Temperature Resistant | : 0 - 70°C | |

* consult with Propan for solvent and chemical resistance list

SURFACE PREPARATION

Compressive strength of concrete floor must be more than 25 N/mm² in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3°C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning and mechanical cleaning.

| Function | Product and Tools | Coating amount | Curing Time |
|-------------|---|--------------------------------|-----------------|
| Patching | : Polyfloor mortar PFM-222-3K SF. Mix well and apply with metal trowel. Mixing ratio component A : B : C = 3 : 2 : 35 by weight | 22 kg-set /m ² /cm | ± 8 hrs (30°C) |
| Primer Coat | : Epoxy primer PFP-251-2K SF. Mix well using mixer ± 2 minutes and apply with rubber squeegee and then epoxy roll. Mixing ratio component A : B = 2 : 1 by weight | 0.20 kg-set/m ² | ± 12 hrs (30°C) |
| Top Coat | : Mix component A Polyfloor epoxy PFT-215 M-2K SF in low speed mixer. Pour component B to component A while stirring and mix well ± 2 minutes. Mixing ratio component A : B = 7 : 1 by weight Top coat can be used in 24 hours for foot traffic and 7 days for vehicular traffic | 1.60 kg-set/m ² /mm | |

RECOMMENDED COATING SYSTEM

| | |
|------------------|--|
| Preceding coats | : Epoxy primer Polyfloor PFP-251-2K SF : Epoxy primer Polyfloor PFP-241-2K SB : Epoxy primer Polyfloor PFP-231-2K WB |
| Subsequent coats | : PU Floor PUAS-620-2K WB series : Polyfloor epoxy PFT-213-2K SF clear : Propan UV Floor series |

CLEANING

POLYFLOOR EPOXY PFT-215 M-2K SF should be removed from tools and equipments with PROPAN Epoxy Thinner. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

POLYFLOOR EPOXY PFT-215 M-2K SF is flammable but does not contain heavy metals in its materials such as lead. Avoid Contact with skin and eyes. Do not inhale. Wear suitable protective equipment such as goggles, dust mask and gloves. Do not smoke near this product and use only explosion proof equipment.

First Aid

| | |
|--------------|--|
| Skin contact | : Rinse under plenty of water immediately. Seek medical advice if irritation persists. |
| Eye contact | : Wash off under plenty of water immediately. Seek medical advice if irritation persists |
| Inhalation | : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus. |