TECHNICAL DATA SHEET

21-01-2020



TANK
BEDLINER BLACK / TINTABLE
Structural protective coating

High-quality two-component polyurethane enamel for finishing works with a very characteristic appearance / texture effect.
Ideal for all sophisticated, translucent painting cycles, resistant to scratches and abrasion.
Designed as a high quality enamel for the rear loading space of pickup trucks; it is also widely used as a "tuning finish" for vehicles of all types where aesthetics and scratch resistance are important.
Very fast cure, excellent scratch resistance and excellent chemical resistance. Compliance with CE2004 / 42 standard.

TO BE USED ON:

- Loading spaces of buses and pickup trucks
- Bus floors
- Bumpers, truck frames
- Construction machinery
- Car bodies of vans, off-road vehicles, etc.

MIXING RATIO:



TANK acrylic-polyurethane coating	711 ml
Hardener	237 ml
Thinner for acrylic products RANAL	0-40%

SURFACE PREPARATION:

- **Old paint coats:** Degrease with silicone remover RANAL, sand with 240-320 abrasive paper and degrease again.
- **Acrylic, epoxy primer:** Degrease with silicone remover RANAL, sand with 240-320 abrasive paper and degrease again. When epoxy primer 2:1 RANAL is used, it is possible to apply the TANK coating with no need of sanding up to 12 hours after the application of the epoxy primer.
  ATTENTION: Apply on epoxy primer with a time of evaporation of about 1 hour at 20°C.
- **Steel, galvanized steel, aluminium, stainless steel:** Sand with 240-320 abrasive paper and cover with epoxy primer 2:1 Ranal.
- **Polyester laminates:** Degrease with silicone remover RANAL, sand with 240-280 abrasive paper and degrease again.

PREPARATION OF TANK BLACK:

Combine the product with the hardener in a 3:1 ratio by volume and mix thoroughly.
The product can be thinned up to a maximum of 40% (Acrylic thinner RANAL) for the mixture ready to use depending on the application method.

PREPARATION OF TANK TRANSPARENT:

Pour into the bottle the colour you want to get, in the form of a base or acrylic coating or colouring paste in the amount of 7-10% (50-75 g).
Close the bottle and mix thoroughly the content to obtain a uniform colour.
Pour the hardener included in the kit (3:1 by volume) into the coloured TANK product, close the container and mix thoroughly (approx. 2 min.).
The product can be thinned up to a maximum of 40% (Acrylic thinner RANAL) for the mixture ready to use depending on the application method.

APPLICATION METHODS:

UBS spray gun.
Gravity feed conventional spray gun.
Roller - brush.

APPLICATION WITH UBS SPRAY GUN:

1. Thinner: 0-10%
2. Nozzle 4-6 mm
3. Pressure: 2,5-3 bar
4. Distance from the element: 30-40 cm
5. Number of layers: 2-3
6. Evaporation : 40-45 min.
7. Touch dry at 20ºC: 45-55 min.
8. Curing: 36-48 h
9. Full mechanical and chemical resistance: 7 days
10. Pot life of the mixture at 20ºC: 1 h

NOTE: Possibility of obtaining different structure thicknesses depending on the nozzle and thinning level.

APPLICATION WITH GRAVITY FEED CONVENTIONAL SPRAY GUN:

1. Thinner: 10-40%
2. Nozzle: 1,6-1,8
3. Pressure: 2 bar
4. Distance from the element: 25-30 cm
5. Number of layers: 2-3
6. Evaporation: 40-45 min.
7. Touch dry at 20ºC: 45-55 min.
8. Total curing: 36-48 h
9. Full mechanical and chemical resistance 7 days
10. Pot life of the mixture at 20ºC: 1 h

NOTE: Possibility of obtaining different structure thicknesses depending on the nozzle and thinning level.

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APPLICATION WITH A ROLLER - BRUSH:

1. Thinner: 0-40%
2. Layers: 2-3
3. Evaporation: 40-45 min.
4. Touch dry at 20°C: 45-55 min.
5. Total curing: 36-48 h
6. Full mechanical and chemical resistance: 7 days
7. Pot life of the mixture: 1 h

RESISTANCE TESTS:

- Brake fluid – 24h no changes
- Engine oil – 24h no changes
- Water – 24h no changes
- Soap – 24h no changes
- 10% ammonia - 7h no changes
- 44% acetic acid - 7h no changes
- Xylene – 15min. The surface will soften, after evaporation it will regain hardness
- Acetone – 5min. The surface will soften, after evaporation it will regain hardness
- Temperature resistance up to – 85°C

CONTENT OF VOLATILE ORGANIC COMPOUNDS:

VOC real = 378,2 g/l
II/B/e limit = 840 g/l

STORAGE CONDITIONS:

Store in dark and dry place away from the sources of fire and heat. The shelf life of the product in original package at 20˚C is 24 months for the enamel and 12 months for the hardener.

HEALTH AND SAFETY RECOMMENDATIONS:

According to Material Safety Data Sheet of Dangerous Substance of particular product.

PACKAGING

Item No	Capacity, ml	Package, pieces:
70503 (black)	711	6
70504 (transparent)	711	6
70505 (hardener)	237	6

This information is based on careful laboratory research and many years of experience. Strong market position does not absolve us fromconstant control of the quality of our products. However, we are not responsible for the final results after incorrect use of the product.

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Sofia 6 "Andrey Germanov"str. mobile: 089 666 3042 / 089 468 3880	Sofia, "Ovcha Kupel 1" quarter 33 "Promishlena" str., 429 bl., store 18, mobile: 089 666 9071	Plovdiv 176 "Brezovsko shose" str. mobile: 089 544 7503 / 089 666 3044	Varna 25 "Usta Kolyu Ficheto" str. mobile: 089 666 9079 / 089 466 9023
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