



POLYURETHANE TOP COAT(BF)

BLAST FREE

Product information

- 1-Provides excellent durability in industrial and marine environments.
- 2-Suitable for environmental conditions where other coatings can not be applied.
- 3-Excellent uv resistance
- 4-Resistant to water, impact and abrasion.

physical data

Colour:	Customer request		
Finish:	Semi gloss - Gloss		
Flash point:			
resin:	32 ^{°c}		
cure:	25 ^{°c}		
Solvent:	24 ^{°c}		
Volume solids:	49 ±5%		
D.f.t:	50 - 60 microns		
Specific gravity(mixed):	1.25.± 0.08gr/cm ³		
Theoretical coverage:	9.8 m ² /lit (at 50 µ d.f.t)		
Drying time at 25 ^{°c} :			
touch dry:	3 hrs		
dry to handle :	6 hrs		
full cure:	7 days		
Component:	2		
Pot life:	6-8 hrs at 25 ^{°c} :		
Mixing ratio(by volume):			
resin:	Refer to can label		
cure:	Refer to can label		
Application methods:	Conventional spray or brush or airless spray or roller		
Recoat intervals* :	10 ^{°c}	25 ^{°c}	40 ^{°c}
(mild condition) : Min:	16 hrs	8 hrs	4 hrs
Max:	48 hrs	24 hrs	12 hrs
Recommended thinner:	FARCO THINN 80		
Recommended cleaner:	FARCO CLEAN 80		
Curing mechanism:	By solvent release and reaction by curing agent and resin		
Substrate:	Primed steel		

*: For recoating the surface should be free of dust ,grease and contamination .

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Typical uses

As a finishing coat for protection of structural steel in severely corrosive environments where light-fastness and gloss retention are required.

Other uses:

- 1-Steel structures in chemical and petrochemical industry, power plants, tank farms, waste treatment plants.
 - 2-Decks, boottops, top sides and superstructures of ships, barges and work boats.
 - 3-Piers, offshore platforms and related structures.
- important: this product should not be stored above 30°C.

Application information

This Rangan Far's product is a polyurethane top coat providing excellent protection for steel structures in marine and industrial environments.

To obtain the maximum performance for which this product is formulated, strict adherence to all application, instructions, precautions, conditions and limitations is necessary.

Application equipment

The following equipment is listed as a guide and suitable equipment from other manufactures may be used.

Adjustments of pressure and change of tip size may be Needed to obtain the proper spray characteristics.

- 1-Airless spray: standard airless spray equipment having A 28:1 or higher pump ratio and a fluid tip with a 0.33 to 0.38 mm orifice.
- 2-Conventional spray: industrial equipment with suitable air cap having a fluid tip with A 1.4-1.6mm orifice .
- 3 -Mixer: mixer must be powered by an air motor or an explosion proof electric motor.
- 4-Brush or roller.

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Caution

- 1-Handle with care.
- 2-Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes.
- 3-Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant.
- 4-Always take precautions against the risks of fire and explosions.
- 5-Harmful or fatal if swallowed, immediately seek medical assistance.

Application procedures

- 1-Flush equipment with cleaner before use.
 - 2-Stir resin to an even consistency with a power mixer.
 - 3-Add cure to resin and continue stirring for 5 mins.
- Note: since the pot life is limited and shortened by high temperatures, do not mix more material than will be used in 8 hours at 25 °C.
- 4- Thinning with FARCO THINN 80 as needed for workability.
 - 5-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes after 20 minutes.
 - 6-Clean all equipment with cleaner immediately after use.

Environmental condition

Environmental temperature must be 10-40 °C
Surface temperature must be at least 3 °C above dew point to prevent condensation. At freezing temperature surface must be free of ice and relative humidity below 80 %.

Surface preparation

The surface must be clean and dry. All dirt, grease and other foreign materials should be removed. Old primed surface must be smoothly wire brushed.

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