

SanaFLEX
simply flexible ✓



SanaFLEX products are sprayable coating agents, by which primarily PUR foams, but also other materials with a porous surface, can be finished seamlessly with a highly elastic, film-like coating. This method can be coated both, flat surfaces and complex shaped structures. The coated film is extremely flexible, tear-resistant, dirt-and water-repellent, UV-resistant and non-toxic, so - particularly in medical applications - no need for any extra cover if necessary.

SanaFLEX coatings are i.a. used for the following purposes:

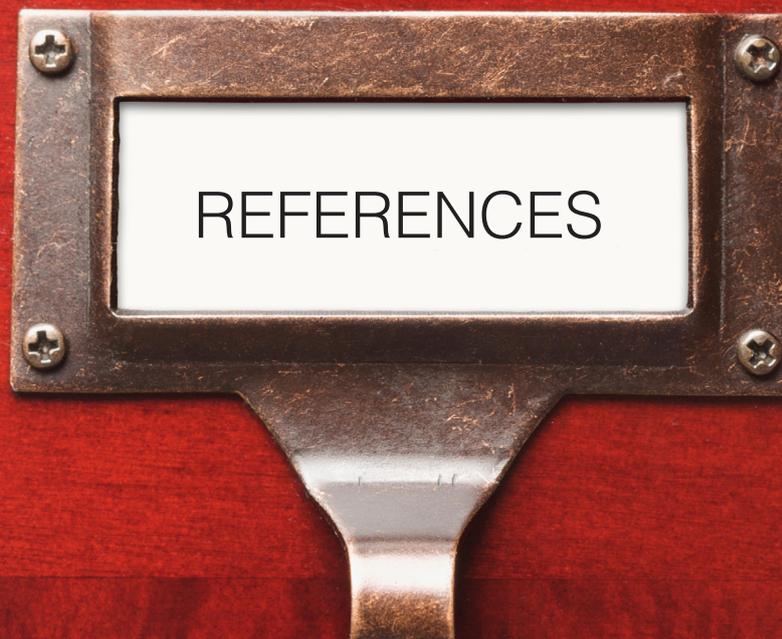
- | Coating of positioning and therapy aids for medical purposes
- | Cutting-edge sealing of insulating materials
- | Surface coating of finishing, upholstery and insulation materials, also for the automotive industry
- | Skin coating of exhibits and packaging materials
- | Coating of insulating materials for acoustic and thermal insulation
- | In-mold coating of foam parts

SanaFLEX is available as a one-component material.

It is colorless when delivered. For coloring SanaFLEX is mixed with 5% of our special color pastes. Available in many RAL and NCS colors.

In this way also for small series to adapt to the respective requirements of color is possible. Special colors can be adjusted by mixing the color pastes.

SanaFLEX coatings are characterized by fast drying, spray-effective behavior and very high elasticity.



BMW - VOLKSWAGEN - HONDA - AUTOSCOUT 24 - CONTINENTAL - RAVENSBURGER - DEUTSCHES
 ROTES KREUZ - 7 MEERE - DIAKONIE - DIE JOHANNITER - VILLA EUGENIE - BENZ SPORT - BAYREUTHER
 FESTSPIELE - BALLOONART VIENNA - VIGO - SAMBERGER SANITÄTSHAUS - BLUEPOOL AG -
 BRANDPOLICE - OS2 DESIGNGROUP - WEBA FAHNEN - BORG INSTRUMENTS - ZEEH DESIGN - WERK
 33 - TRANSATLANTIC - STAGEGROUP - BG NORDSEE - NATRON AG - EXPOPARTNER - FLUGHAFEN HAN-
 NOVER - FPT ROBOTIK - FROMMHOLZ MÖBEL - EVENTLABS GMBH - SASSE ELEKTRONIK- RADIOMETER
 PHYSICS
 UVA.

BMW

VOLKSWAGEN

AUTOSCOUT 24

WERK 33

HONDA

RAVENSBURGER

CONTINENTAL



PROCESSING

ADVANCE SETTING FOR THE APPROPRIATE USE OF SANAFLEX IS A MINIMUM OF EQUIPMENT AND SPRAY GUN SPRAY BOOTH AND COMPLIANCE WITH THE PRESCRIBED PARAMETERS.

Apply with a spray gun, equipped with a rotating surface nozzle of 1-1.5 mm and suitable for spraying adhesives. For the production of coatings-samples, pressurized cup guns are suitable. If larger quantities are required, the coating material should be supplied due to better performance and adaptability of a pressure vessel.

The atomizer is around 6 - 8 bar, the material pressure to 0.5 – 2.0 set bar.

Especially with small or narrow faces setting low pressure ratios of about 5 bar can for atomization and about 2 bar to be advantageous for the material support.

If all sides are coated a need to be immediately superimposed, a polyethylene film between the layers is to be placed. Fast drying in a drying tunnel at 90-130° C, the drying can be substantially shortened.

SanaFLEX is because of the special spray behavior in particular for coating foam boards with complex surface shape like pyramids, finger or foam lining.

CAUTION

Airless sprayers are NOT suitable for the processing of SanaFLEX.



PREPARATION

- | Clean the parts to be sprayed by tapping or with compressed air gun.
- | Milling particles have to be removed completely.
- | To spurting items - if possible - coated separately.
- | Share good fix on the turntable or with fasteners.
- | SanaFLEX after opening the container lid in the desired amount.
- | With an addition of 5% of the color paste for transparent base material to achieve a strong color according to our standard color palette.
- | With a compressed air agitator mix well until a continuously uniform color is achieved.

Before the first coat should exercise coatings are made on sample plots to test the operation of the spray gun and the impact on the spray pattern.

COATING

THE PROCESS OF COATING BASED ON THE FACT THAT WHEN SPRAYING FINE THREADS ARE FORMED WHICH "SPINS" THE SURFACE, UNTIL A HIGHLY ELASTIC FILM IS REACHED. ACCORDING TO THE SET RATIO OF THE MATERIAL PRESSURE AND ATOMIZING FILAMENTS REACH MORE OR LESS DRY ON THE SUBSTRATE.

In order to achieve a well-adhering film, the spray device should be adjusted so that the first order to penetrate somewhat into the surface to be coated. The atomizer is around 6 - 8 bar, the material pressure to 0.5 - set 2.0 bar. Especially with small or narrow faces setting low pressure ratios of about 5 bar can for atomization and about 2 bar to be advantageous for the material support.

When spraying, the spray gun should be at a distance of about 30-60 cm out vertically or slightly inclined evenly over the surface to be coated.

Other 3 - 4 layers in the cloister applied by rotating the spray material. Thereby, a uniform surface is produced in the form of a tough, resilient skin.

In this way, subsequent thin layers adhere properly to the anchorage. The total amount of deposited material depends on the desired properties of the skin. Both the applied amount of coating material and the nature of the spraying technique to decide whether one or more or less dense porous coating is formed.

For coatings with special characteristics such as waterproof or fire class B1 (flame resistant) or color accent please contact with us.

After coating, please expect to dry out depending on the coating thickness of 4 - 5 hours.

CAUTION

If the coating is due to an excessively high proportion atomizer applied to „dry“, „lies“ to pull this off without mechanical anchoring on the surface and can therefore easily.

In the reverse case, i.e. in case of low atomization or at relatively high fluid pressure, the coating material passes without sufficient thread formation, „wet“ on the surface, and forms a non-uniform drops film.

FAULT CLEARANCE

ERROR	CORRECTIVE ACTIONS
The jet spray is curved	<ul style="list-style-type: none">• Turn the air cap by 180°• If the arc goes the other way, make sure that the air vents are not blocked. If that is not the case, check to see if the nozzle is damaged.
The jet spray is uneven	<ul style="list-style-type: none">• Clean the hole in the center of the air cap with the chosen solvent and a brush.• Make sure that the nozzle is centered.• Increase the opening stroke of the needle. Too low opening of the spray jets possibly deformed.
The spray beam is narrower in the middle	<ul style="list-style-type: none">• Reduce the flow of air passing through the air horns.• Strengthen the material flow.
The spray stream is wider in the middle	<ul style="list-style-type: none">• They amplify the air flow that passes through the air horns.• Either reduce the flow of material or viscosity.

SPECIFICATION OF SANAFLEX

SANAFLEX CONTENTS SOLVENT AND IS A SPRAY ABLE, POLYURETHANE-BASED COATING MATERIAL. IT IS MAINLY USED FOR COATING OF POLYURETHANE FOAMS.

TYPICAL CHARACTERISTICS

Solid content	ca. 15%
Viscosity	Low viscosity
Density at 20°C (g/cm ³)	ca. 0,9%
Flash point	< +21°C
Film resistance	Insoluble in water, oil, softeners etc.
Appearance	Clear, cloudy

PROCESSING INFORMATION

Contract	Spraying
Order Quantity	Approx. 800-2800 g/m ² (wet application), depending on the substrate and the desired effect
Drying conditions	Air drying at room temperature or in a drying tunnel
Dilution	SanaFLEX Thinner / Cleaner
Cleaning	SanaFLEX Thinner / Cleaner

STORAGE CONDITIONS AND SHELF LIFE

Storage	15 – 25°C
Shelf Life	4 months in unopened original containers
Cold resistance	Protect from frost!

Hazards-notes

See Safety Data Sheet according to 91/1 55/EWG

SPECIFICATION OF SANAFLEX VRV THINNER/CLEANER

SANAFLEX VRV IS A SOLVENT MIXTURE OF A KETONE AND A CYCLIC ETHER.

It serves as a solvent for the one-component, solvent-containing products of the SanaFLEX program and for cleaning of the soiled materials with these devices.

TYPICAL CHARACTERISTICS

Density at 20°C (g/cm ³)	ca. 0,85%
Flash point	< -20°C
Appearance	Clear and colorless

STORAGE CONDITIONS AND SHELF LIFE

Storage	< 30°C
Shelf Life	12 months in unopened original containers
Cold resistance	Frostproof

Hazards-notes

See Safety Data Sheet according to 91/1 55/EWG

SPECIFICATION OF SANAFLEX COLOR PASTES

SANAFLEX COLOR PASTES ARE PIGMENT PREPARATIONS FOR COLORING THE TRANSPARENT BASE MATERIAL. THESE PREPARATIONS ARE AVAILABLE IN MANY RAL, NCS AND PANTONE COLORS.

TYPICAL CHARACTERISTICS

Solid content	ca. 63%
Viscosity	Medium to highly viscous or pasty
Density at 20°C (g/cm ³)	ca. 1,3 – 1,6
Flash point	< +21°C
Appearance	Different colors

PROCESSING INFORMATION

Quantity	ca. 5%
Unit cleaning	SanaFLEX Thinner/Cleaner

STORAGE CONDITIONS AND SHELF LIFE

Storage	5 – 25°C
Shelf Life	6 months in unopened original containers
Cold resistance	Protect from frost!

Hazards-notes

See Safety Data Sheet according to 91/1 55/EWG