



## POLI-FLEX® 4950 BLACKBOARD

### Product Information

POLI-FLEX® 4950 BLACKBOARD is our latest polyurethane transfer vinyl with blackboard characteristics. The vinyl is equipped with a special PU surface suitable for lettering with chalk after heat transfer. Chalk can be wiped away easily with a wet cloth for multiple application. Due to the used low-temperature hotmelt adhesive, POLI-FLEX® 4950 BLACKBOARD can be transferred quickly and gently at low temperatures.

POLI-FLEX® 4950 BLACKBOARD is suitable for transfer to textiles like cotton, polyester, uncoated nylon, mixtures of polyester/cotton and polyester/acrylic. For application to Nylon that is treated with any kind of coating, please test for suitability. POLI-FLEX® 4950 BLACKBOARD can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

POLI-FLEX® 4950 BLACKBOARD can be cut with all current plotters. We recommend using a standard 45° knife. After weeding the cut flex vinyl is transferred by heat press. The polyester liner should be removed warm.

The soft, elastic transfer vinyl offers a comfortable textile touch and convinces due to high wearing comfort. POLI-FLEX® 4950 BLACKBOARD excels due to an excellent opacity. POLI-FLEX® 4950 BLACKBOARD with a self-adhesive PET liner enables a reposition. The raw materials are ecologically inert, do not contain PVC, plasticizers or heavy metals.

Guarantee for a secure and long-lasting bond of POLI-FLEX® 4950 BLACKBOARD is only given when following the specified temperature and pressure conditions.

**We recommend evaluation on test material.**

**Please note that used pens and chalks have an influence on the performance of our material, therefore we recommend to test them before usage.**

Due to the various influences which occur from production and transfer of plotter letterings, consistency of the carrier materials and also washing and cleaning conditions, product liability can only cover the unprocessed material.

### Standard Dimensions

15" x 30yd

20" x 30yd

60" x 30yd

Other dimensions and special colours available on request.

### Technical Data

Transfer Film:	Polyurethane, cast
Thickness [mm]:	0,095 +/- 5 %
Liner:	PET-film, self-adhesive

### Transfer Conditions

Pressure:	medium pressure
Temperature / Time:	265° F, 5 sec. / 300° F, 4 sec. / 320° F, 3 sec.

#### NYLON

Pressure:	low pressure
Temperature / Time:	300° F, • Pre Heat 5 sec. • Apply to Nylon 5 sec. • Remove PET liner, cover transfer with silicon paper & apply for further 10 sec.

Please consider to adjust the application time when using highly structured cotton or cotton mixture fabrics.

### Wash Resistance

Wash resistance:	140° F Suitable for tumble drying (commercial tumble dryer up to 100°C) and dry-cleaning. Wash textile inside out.
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### Safety Data Sheet

When used under normal conditions, this product does not generate or release any dangerous substances or hazardous chemicals. This is a non-hazardous product in accordance with the current GefStoffV and EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this product. The Safety Data Sheet serves only to comply with the regulation to supply information in accordance with REACH Regulation (EC) No. 1907/2006 and is available on request. This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the federal water act. After use, dispose of the waste product in accordance with the local / national authorities.

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The following technical details are issued to the best of our knowledge, however, without any responsibility. Due to the varied and application-related influences the product liability can only be applied to unprocessed material. Therefore, we highly recommend that before every usage a test should be conducted on the original material.