BO 5207952/53/54/55 XtraColl®

Technical Data Sheet

Pressure-sensitive adhesive film made of pure acrylic for lasting, transparent adhesive bonding

Section 1: Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene film	blue	0,16 - 0,20
Adhesive	Pure acrylic		2,85 - 3,15
		Total thickness:	3,01 - 3,35

Section 2: Product advantages

- Clear bond due to highly transparent adhesive formulation: the light refraction index of XtraColl® is similar to that of glass
- High stretchable and at the same time a high inner strength give XtraColl® an excellent resiliency within the bond
- Good initial tack, lasting ultimate bonding strength
- Very good sealing as well as high and lasting ultimate bonding strength
- Excellent stress-absorber
- Highly split-resistant
- Resistant to chemicals and softeners
- Available as perfectly fitting die-cut parts in many shapes, versions and different sizes
- By sealing the edges of the adhesive tape, these become dry after adhesion and resistant against external influences

Section 3: Main application fields

- Bonds where maximum transparency is of central importance, for example in shower cubicles made of glass, at solar collectors and for illuminated advertising signs
- Metal-glass-connections in facade construction and apparatus engineering, as well as in the furniture industry
- Invisible bonding of different materials such as wood, aluminium, plastics, ceramics and glass

Section 4: Product features

Initial adhesion	● ● ●
Final strength	● ● ●
Transparency	● ● ●
Elasticity	● ● ●
Adhesion to smooth substrate	● ● ●
Adhesion to rough substrate	● ○ ○
Ageing resistance	● ● ●
Weather resistance	● ● ●
Chemical resistance	● ● ○

Section 5: Applicability to

Foam material	○ ○ ○
Rubber	● ○ ○
Fabrics	○ ○ ○
Glass/Ceramics	● ● ●
Wood	● ○ ○
High energy plastic: PVC, PC, ABS,...	● ● ●
Low energy plastic: PE, PP,...	● ○ ○
Metal	● ● ●
Paper/cardboard	● ● ○

● ● ● particularly suitable ● ● ○ suitable ● ○ ○ suitable with limitation ○ ○ ○ not suitable

Section 6: Applicability to VSG for different film types

Installation with XtraColl can be recommended for the following VSG film types:

- VSG 16/2-2 made of float with Trosifol PVB film 0.76 mm
- VSG 16/2-2 made of float with Saflex QS41Si film 0.76 mm
- VSG 16/2-1 made of float with Sekisui SI film 0.5 mm
- VSG 16/2-2 made of float with Sekisui SI film 0.76 mm
- VSG 16/2-2 made of float with Trosifol SC film 0.76 mm
- VSG 16/2-2 made of float with Trosifol SC + film 0.76 mm

Section 7: Specific technical data*

Temperature range	40°C to +160°C** (up to +200°C at short term)
Light transmission	> 80% in the visible light scope

* Specific test results, statistically not approved.
** Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

Section 8: Technical Data

90° Peel strength	> 25 N/cm	
Dynamic shear strength on steel	> 90 N/625mm²	

Section 9: Application

Recommended application temperature	18 °C to 35 °C
Application guidelines	

Section 10: Storage

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).
The storage stability is 2 years after delivery.

Section 11: Product presentation

Converted product	Rolls			
Width [mm]	5	7	9	14
Length [m]	12	12	12	12

For mechanical mounting of this adhesive tape we also offer a wide range of application devices.

The physical characteristics contained in our data sheets represent typical or average values. They do not represent any warrenties or guarantees and must not be used for technical specification purposes. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. The buyer is responsible for determining the suitablility of the specific tape for its intended use in connection with user's method of application. Please consult our Technical Applications Department for specific advice. Our general Term and Conditions of Sale apply, particularly with regard to warrenty and liablility.

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