

➤ **General Information**

Anchorstik WB283 is a single component sprayable adhesive that provides instant grab and high heat resistant bonding. Anchorstik WB283 is sprayable through air assisted equipment free of copper & brass.

It is based on novel water-based dispersion technology that is safe to use. It contains no solvents or isocyanates and conforms to the latest environmental legislation.

Anchorstik WB283 can be used on a variety of substrates to give instant bonds characterised by high strength once fully cured. It has found use in bonding the following substrates.

➤ **Key Information**

- Water-based adhesive – safe to use and environmentally friendly
- Instant Hold
- Ideal for applications involving porous substances
- Heat resistance up to 140°C
- Cold resistance down to -40°C
- Good adhesion when bonding porous materials to non-porous substrates

➤ **Typical Applications**

Anchorstik WB283 can be used in the following applications

- Automotive industry for the production of trim application such as car panels, seats, headrests and headliners.
- Marine industry for trimming applications on a wide variety of fabrics to wood, metal and composite materials
- Bonding foam-based insulation panels to plasterboard
- It can also be used as a general purpose adhesive where high temperature resistance is a preference

➤ **Product Characteristics**

The following technical information and data should be considered representative or typical only. Therefore, the information should not be used for specification purpose.

Property

Data

Colour

White

Base

Polychloroprene Latex

Consistency	Liquid
Specific Gravity (20°C)	1.10
Total Solids Content	53 ± 2 %
Viscosity (20°C)	250-550 cP
Open Joint Time	Porous Substances: Instant to 5 minutes* Non-Porous Substrates: 10 to 15 minutes*
Cure Time	7 Days
Heat Resistance	-40 to 140°C
Coverage	10 – 15 square metres / litre*

* dependent upon ambient temperature, relative humidity and the materials used.

➤ Product Performance

Test	Substrates	Results/Observations
Bull Nose Joint Adhesion Test	PU Foam to PU Foam	Instant grab; substrate failure at 5 mins
T-Peel Adhesive Test	Leather Cloth to Leather Cloth	35 N / 25mm (20°C) 25 N / 25mm (120°C)
90° Peel Adhesion Test	Leather to Steel	20 N / 25mm – substrate failure (Leather)
90° Peel Adhesion Test	Leather Cloth to Steel	30 N / 25mm
180° Peel Adhesion Test	Leather to Steel	20 N / 50mm – substrate failure (Leather)
180° Peel Adhesion Test	Leather Cloth to Steel	50 N / 50mm
180° Peel Adhesion Test	Leather Cloth to Wood	75 N / 50mm

➤ Handling & Applications

The general application information presented here is based upon typical conditions determined by suppliers testing. Our recommendations on the use of this product are based on methods believed to be reliable. It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Process Step

Guidelines

Surface Preparation	Mechanical abrasion is advised when using non-porous substrates such as metals, plastics etc. All surfaces to be bonded should be dry, clean and free from dust, grit, wax, grease or oil.
Adhesive Application	This can be applied using a suitable spray delivery system. Any spray equipment used must be free of copper and/or brass pipework or fittings, as this will cause the adhesive to coagulate. For best bond performance, when applying this, an even coat should be applied to both substrate surfaces. Non-porous substrates (e.g. metal, plastics) – This should be applied in two to three thin passes to ensure optimal coverage. Once applied, the applied adhesive should be left until touch dry (approximately 10 to 15 minutes depending on substrate). Porous substrates (e.g. wood, leather) – WB283 should be applied in two to three thin passes to ensure optimal coverage. Once applied, the applied adhesive will be ready to bond should be left until touch dry (approximately instant to 5 minutes depending on substrate). Assemble the bond and consolidate with pressure to assure a good contact across the entire bond surface. The use of a nip-roller is recommended for ensuring optimum contact is achieved across the bonded area.
Curing	The bonded assemblies will have enough strength for moving, machining and trimming within 15 minutes depending upon the porosity of the substrates. Bonded assemblies should be left for 7 days before physical testing is conducted.
Cleaning	For wet material, it is advised that any spillages be cleaned up immediately with soapy water before the adhesive can fully dry.

➤ **Health & Safety**

Anchorstik BW283 is not classified as hazardous according to Directive EC 1272/2008. Please refer to the Anchorstik BW283 Safety Data Sheet for further health & safety information.

➤ **Storage**

Anchorstik BW283 should be stored in its original container, with the lid tightly secured, in dry conditions and at temperatures between 5°C and 25°C. Anchorstik BW283 will keep satisfactorily for up to 12 months from date of manufacture if stored according to the recommended conditions.

➤ **Product Availability**

Product Reference	Pack Size	Container
Anchorstik BW283	5L	Jerry Can
Anchorstik BW283	25L	Jerry Can

Data herein is furnished for information purposes only, and is believed to be reliable. Redwood Innovations and any subsidiary companies cannot assume responsibility for the results obtained by others, over whose methods it does not control. It is the users' responsibility to determine suitability for the user's intended purpose of any product and any product method mentioned herein, and to adopt any such precautions as may be necessary to protect property and persons against hazards that may be involved in the handling and use thereof. We recommend that each prospective user test the proposed application to determine the suitability of this product for the purpose intended prior to incorporating any product or application in its manufacturing process using this data as a guide, Redwood Innovations accept no liability arising out of the use of this information or the products described herein.