

antas[®] Nails-Free Now

Fast Curing High Bond MS Adhesive



DESCRIPTION

antas[®] Nails-Free Now is a one component, fast curing, and environment friendly adhesive based on advanced hybrid technology. It has super strong adhesion strength to most construction materials. The tensile adhesion strength of cured adhesive can reach 2.5 MPa.

Based on the properties of high strength and low environmental impact, it is particularly suitable for construction, automotive or boat building where fast and tough bonding is required.

FEATURES

antas[®] Nails-Free Now is high strength and fast curing adhesive featured for multiple application:

- High initial strength for fast positioning. No clamping or support required for many applications.
- High long term adhesion strength up to 25kg/cm².
- Good elasticity and vibration absorption.
- Excellent adhesion to most construction materials including concrete, fibre

cement board, brick, ceramic, stone, aluminium, steel, PVC, timber etc.

- Environmentally friendly with low VOC content. Free of isocyanate, solvent, formaldehyde or harmful content.

TYPICAL PROPERTIES

No.	Items	Test results	
1	Appearance	Pass	
2	Initial Bond, effective bonding area	Fibre Cement Panel A, 15+2 mins	80%
		Fibre Cement Panel B, 2 mins	97% of Panel A result
3	Sagging, mm	Vertical	0
		Horizontal	0
4	Solid Content, %	96.5	
5	Initial movement, mm	2	
6	Hardness, Shore A	70	
7	Tensile adhesion strength, MPa	After 24 hrs	2.1
		After 168 hrs	2.6
		Heat aging	3.6
		Damp substrate	1.7
		Stored under heat (40°C)	2.4
8	Shear deformation under static load	No deformation	
9	TVOC content, g/L	47	

APPLICATION

Preparation

Prior to applying the adhesive, prepare the bonding surface to keep it dry, clean, and free of oil or grease.

Substrate temperature should be kept between 5 - 45°C during application.

Test compatibility with bonding materials before application for adhesion and any unlikely staining.

For bonding or jointing of light objects

For small objects, apply adhesive on substrate in straight line with diameter of 1 – 2 cm. Press the two bonding surfaces together gently and pull apart. Press together again and hold with pressure for 2 – 5 mins.

For large objects, apply adhesive on substrate in 'Z' shape. Press the two bonding surfaces together gently and pull apart. Press together again and hold with pressure for 2 – 5 mins.

For bonding or jointing of heavy objects

Refer to the application method for light object as above. In addition, objects should be supported and secured for 12 hours to avoid movement.

LIMITATIONS

antas® Nails-Free Now should not be applied under the following conditions:

- Not suitable for applying on substrate with temperature lower than 5°C or over 45°C.
- May not be suitable for bonding of certain materials. Compatibility tests are recommended prior to use.

CLEAN UP

Excess adhesive can be removed with mineral spirit and cleaning solvent before cured. Once cured, antas® Nails-Free Now may only be removed mechanically.

SAFETY

antas® Nails-Free Now has low VOC. It is free of isocyanate or solvent.

Avoid direct contact with eyes when operating. In case of accident, rinse opened eye under running water for several minutes.

During the curing process, small amount of alcoholic molecules is released. Keep good ventilation at the construction site. Avoid applying in confined space.

Read and follow material safety data sheet for safe handling or using.

PACKAGING

300ml/cartridge, 24 cartridges/carton.
600ml/sausage, 20 sausages/carton.

COLOUR

White

TRANSPORTATION & STORAGE

antas® Nails-Free Now is classified as non-dangerous goods for transportation.

The product should be stored in a dry and cool place between 5 to 30°C. The shelf life is 9 months from the date of manufacturing under normal storage conditions.

Disclaimer: The statements in this document are based on our present technical knowledge and experience. They do not relieve the applicators from carrying out necessary tests and experiments on their own. Since the conditions of applying our products may vary which can influence results in many ways, this document does not imply any legally binding assurance of certain properties or of suitability for a specific purpose.

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