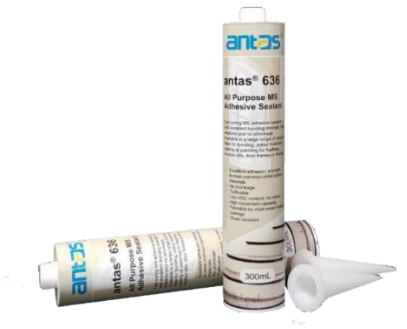
antas® 636

All Purpose MS Adhesive Sealant



DESCRIPTION

antas® 636 is a one component, fast curing, hybrid polymer based adhesive sealant with the movement capacity of ±20%.

antas® 636 is high modulus and it has excellent adhesion to most commonly used construction materials. It is used to create high strength and elastic bond in many applications for example adhesion and sealing of stairs, flashings, window sills, door frames, kickboards and moulds etc.

antas® 636 is available in a large range of colours. It is also paintable by most water based coatings.

USES

Ideal for the bonding and sealing of window and door frames, flashing, kickboards, floors or moulds with matching colour of bricks, grouts, walls or flooring materials.

FEATURES

antas® 636 is formulated to high performance and it is easy to use.

- Excellent tooling ability, high extrusion rate and no sagging. No shrinkage.
- Fast curing. Typical tack free in 30mins at 23ºC and relative humidity of 50%.
- Fast positioning with high initial strength.
- Excellent adhesion strength to most common construction materials
- High movement capacity of ±20%.
- High modulus and trafficable.
- Available in a wide range of colours matching the colours of typical wall and floor materials.
- Paintable with most water based architectural coatings. Can be easily repaired or repatched with the same sealants.
- Excellent weather durability, aging resistance under heat and humidity.
- Mould and mildew resistant
- Safe and environmentally friendly. Very low VOC, no odour, free of solvent and isocyanate content.

APPLICATION

Prepare the substrate and keep it clean, dry and free from grease. Remove all dirt, oil, grease, detergents and loose material. The joint edges can be masked with tape to prevent contamination. Remove the tape carefully after tooling. Use suitable backing rod to fill the cavity of the joints as needed.

Cut nozzle to desired size at 45°angle and attach to the sealant cartridge. Insert the cartridge into a caulking gun. Pull the trigger of the caulking gun to extrude sealant through the nozzle.

For joint sealing, smooth the surface of the sealant filled joint within the tooling time and clean off excess sealant.

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For bonding, sliding the objects onto the adhesive sealant, tap into place.

TYPICAL PROPERTIES

No.	Test items		Test result
1	Appearance		Paste
2	Density, g/cm^3		1.7
3	Extrudability, ml/min		280
4	Elastic recovery, %		68
5	Slump, mm (N type)	Vertical	0
		Horizontal	0
6	Tensile Modulus at 23ºC, MPa		0.66
7	Tensile adhesion at maintained elongation		Pass
8	Adhesion at various temperature		Pass
9	Adhesion after water immersion		Pass
10	Anti-mildew level		Level 0

CURING TIME

antas® 636 is cured by reacting with the moisture in the air with the tack-free time of approximate 30 minutes depending on ambient condition. It generally takes 14 days to be fully cured.

It is recommended to secure the substrate prior to the applying of the sealant and avoid any movement during the curing process.

PRIMING

Priming is not usually required when using antas® 636 providing joint faces are clean and free from any trace of laitance or surface contamination. However, adhesion to substrate and compatibility with surface coatings should always be tested in advance to determine the need of a primer.

MAINTENANCE & REPAIR

antas® 636 does not require maintenance in normal conditions. In case repairs are required, remove the damaged section and clean the surface with solvent, then patch the section with new sealants of same colour and grade.

LIMITATIONS

antas® 636 should not be applied under the following conditions:

- On substrate that bleed oil, plasticiser or solvent etc.
- On materials such as impregnated wood; oil-based caulks; green or partially vulcanized rubber gaskets/ tapes; bituminous below-grade waterproofing or asphalt-impregnated fiberboard etc.
- In total confined spaces.
- Substrate temperature over 45°C or below 5°C.
- Not used on wet surface.
- Not used on surface that contacts with food directly.
- Not used for glazing.
- Other unsuitable conditions determined by trial.

PAINTABILITY

antas® 636 is paintable with most water based paints. However, due to large number of paints and varnishes available, compatibility test is highly recommended prior to the application.

Note: antas® 636 has larger movement capability than normal paint films. Cracking of paint film may occur with movement.

CLEAN UP

Excess sealant can be removed with mineral spirit and cleaning solvent before cured. Once cured, antas® 636 may only be removed mechanically.

SAFETY

antas® 636 has low VOC and no isocyanate content. Avoid direct contact with eyes when operating. In case of accident, rinse opened eye

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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

COLOUR

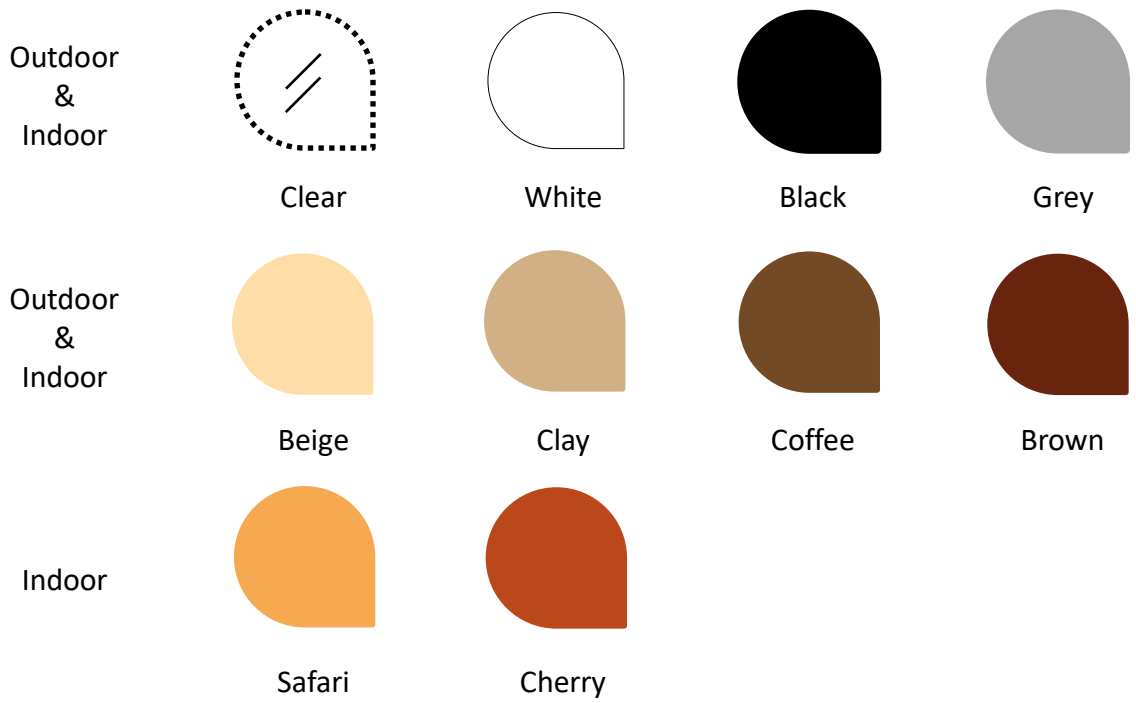
Various, refer to colour chart.

TRANSPORTATION & STORAGE

antas® 636 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 12 months from the date of manufacturing under normal storage conditions.

Colour Chart of antas® 636 All Purpose MS Adhesive Sealant



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