Product Data Sheet

VERNIS SA
Primer

Fast-drying canister primer ideal for use with flame free, self-adhesive reinforced bitumen waterproofing systems

Vernis SA primer (supplied in 14.4kg canisters) provides improved simple and effective adhesion on self-adhesive reinforced bitumen membrane waterproofing systems and due to its rapid drying time helps to minimise the risk of torched-on applications.

Key benefits

- Application time 5x faster than a traditional roller-applied primer
- Accelerated drying time - 5-10 minutes
- Can be applied at temperatures as low as 5˚C
- Reduces requirement for hot works with self-adhesive systems
- Coverage rate up to 250m^2 / canister
- Reusable hoses/spray guns, minimising equipment costs
- Reduces back pain

Packaging

Vernis SA is supplied in a 14.4kg canister in a cardboard carry box. Other components required and supplied separately include:

- Applicator (gun and 3m hose)
- Spray tip
- Cleaning aerosol and
- Canister flushing system

See set-up and installation information below. Safety information is given in the separate MSDS available from Axter.

Application method

- Substrates suitable for: Concrete, Timber, Metal Decks, Tissue & Foil PIR, EPS, XPS, RBM & BUR, Asphalt
- Membranes suitable for: SA AVCL & Membranes, Torch on RBM & BUR
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*Adhesion tests should be carried out prior to use. Applications only for substrates and membranes listed. All other substrates and membranes should be tested prior to use. Please contact our Technical Team to discuss further.

Coverage rate

Each canister will cover up to 250m2. Coverage rates will reduce on uneven surfaces.*

Technical Data

Base	Synthetic rubber	**Drying time (5°C)**	5-10 minutes
Appearance	Black	**Working time (20 C)**	Up to 4 hours
Application temperature	5 – 30°C	**Cleaner**	Cleaning aerosol
Shelf life	12 months	**Health and Safety**	See MSDS available from Axter

Vernis SA Canister – Set-up guide

It is important to set up the Vernis SA primer (the spray system) correctly before use to ensure the best possible performance and to avoid leakage or system failure.

Remove the black cap from the canister valve.

Attach the braided-hose to the canister value (using the small nut). Tighten with a spanner (image 1).

Attach the other end of the braided-hose to the spray-gun (using the large nut). Tighten with a spanner (image 2).

Using the locking-nut provided, attach the spray-tip to the end of the spray gun (image 3). Carefully tighten the spray-tip using a spanner.

Fully open the valve on the canister.

Pull the trigger on the spray gun to apply the primer.

Adjust the spray pattern by turning the black valve on the spray gun anti-clockwise until you have a spray pattern approximately 300mm in width (image 4).

Image 1:
Canister with the braided-hose attached properly.

Image 2:
Braided-hose and spray gun.

Image 3:
Attach the spray-tip

Image 4:
Black valve to adjust spray pattern.

Vernis SA Primer – Guidelines for use

Preparation

Ensure substrates are dry and clean from grease, dirt and other contaminants before applying the primer.

Set up the canister as described above:

Use with Self-Adhesive (SA) Systems:

Ensure the canister spray system is spraying correctly and the spray pattern is 300mm wide.

Apply 1 – 2 coats of the primer to the roof deck, ensuring an even distribution of primer is achieved.

Allow the solvents to evaporate from the primer layer for a minimum of 5-10 minutes at 10˚C.

Notes this time will vary depending on temperature.

Apply the self- adhered membrane to the coated roof deck in compliance with the manufacturer's recommendations.

Storage and handling

The product should be stored unopened in a dry condition at a temperature of 5 – 25˚C. This will ensure the stated shelf-life. The adhesive will have a limited life once the container is opened.

Temperature and timings

All information relating to temperatures and timings represent normal working conditions and is provided as a guideline only. However please contact Axter for advice if you wish to operate outside of these parameters.

Vernis SA Canister - Maintenance guide

Once work is complete, ensure the value on the canister remains open (Image 5).
Failure to do this may cause the adhesive to block the hose.

Turn the spray gun off by turning the black valve clockwise until it is fully closed.
Unscrew the spray tip and locking nut from the spray gun.

Clean the spray tip and the end of the spray gun with Solvent using a soft nylon brush to ensure that the aperture is clear (image 6). This is essential.

Failure to clean the spray tip and the end of the spray gun may result in damage to the aperture and prevent the system from working.

Place the spray tip and locking nut in a container with a small amount of solvent until it is needed again (image 7). Ensure that this container with solvent is closed and airtight.

The canister and gun will remain usable for 2 weeks after opening. If you do not intend to use the system within this time the adhesive in the hose and gun should be renewed by purging approx. 250ml of adhesive through the system every 2 weeks. If the system is not going to be used for longer than 2 weeks, we recommend flushing the gun and hose with the canister Flushing System.

Once the canister is empty the gun/hose can be transferred to a new canister.

Image 5:
Leave the valve open

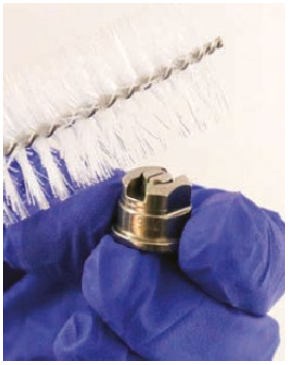

Image 6
Cleaning the spray tip

Image 7:
Spray tip in solvent

Vernis SA - Canister Flushing System

Axter supplies the easy-to-use Canister Flushing System which ensures the canister gun and hose remain free from blockages. It consists of the Cleaning Aerosol and the canister assembly (image 8).

Ensure the valve on the canister is completely turned off before attaching the assembly. Unscrew the hose from the canister valve.

Attach the assembly to the valve. Ensure the assembly remains upright whilst you tighten the nut on it (image 9).

Attach the hose to the assembly. Ensure the assembly remains upright whilst you tighten the hose.

Check the tap on the assembly is off before applying the Cleaning Aerosol.

Screw the Cleaning Aerosol into the adaptor (image 10). Turn the tap on the assembly to the 'on' position to release the Cleaning Aerosol into the hose (image 11).

Aiming the gun into a waste container, apply pressure to the trigger on the gun to push the Cleaning Aerosol through the hose and gun until the adhesive starts to dispense. Keep pressure on the trigger until the hose and gun are thoroughly cleaned (image 12).

Image 8:
Canister assembly

Image 9:
Tighten the nut

Image 10:
Screw Cleaning Aerosol into the adaptor

Image 11
Turn the tap on

Image 12:
Dispense the adhesive

Emptying, Depressuring and Disposing of your Canister Safely

When depressurised and empty, canisters can be disposed of as scrap metal, in accordance with the European Waste Directive. Please see instructions below on how to empty, depressurise and dispose of your canister safely.

How to safely empty and depressurise your canister:

Transfer the hose and gun onto a new canister (if you are not using a new canister flush the hose and gun using the flushing system and aerosol) (image 13). Refer to the Set-Up and Maintenance guides above.

Open the valve on the new canister and purge the adhesive/primer through the hose and gun (image 14).

Open the valve at the top of the used canister and empty any remaining adhesive/primer and propellant into a suitable container (image 15).

Ensure the valve remains open. Leave for at least 1 hour.

Locate the bursting disk at the top of the empty canister (image 16).

Use a non-ferrous rod and mallet to strike the bursting disk at its perimeter (see image 17).

Remove the disk, which will reveal an aperture. This will ensure that the canister remains depressurised (image 18).

Leave for 24 hours to allow any residue adhesive/primer to dry and/or cure.

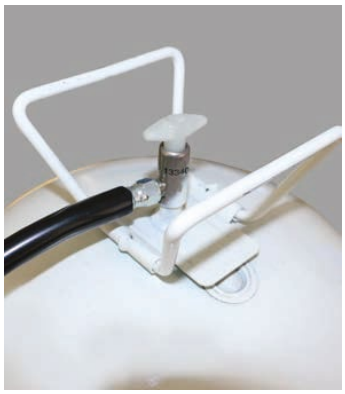

Image 13:
Connect hose and gun

Image 14:
Purge the adhesive/primer.

Image 15:
Open the valve

Image 16:
Bursting disk

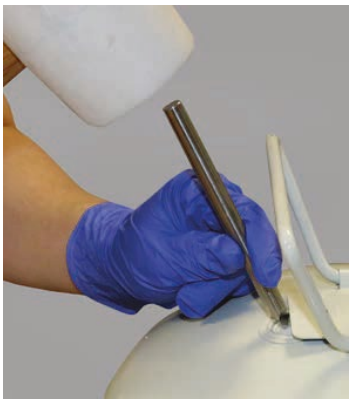

Image 17:
Pierce disk at perimeter

Image 18:
Aperture

The following information contains the codes you will need to provide to the national or local waste company when disposing of empty depressurised canisters and canisters containing adhesive/primer and compressed gas.

Disposing of your canister safely and in accordance with national regulations
After the instructions for emptying and depressurising your canister have been followed, the canister will be empty of any hazardous materials and depressurised.

Therefore, it can be considered as scrap metal in accordance with the national or local waste company, under code **EWC 150104** (empty aerosol, no hazardous residues).

Canisters that are still pressurised and contain adhesive/primer should be disposed of in accordance with the national or local waste company under code **EWC 160504** (full or partially empty aerosol).

The hazard labels and Material Safety Data Sheet (MSDS) for this product must also be read prior to use. Please contact Axter Ltd for further information.

The manufacturer reserves the right without prior notice to modify the composition of this product. The information provided is not intended to form any part of a contract or provide a guarantee and users should check if there have been any changes to the information above since publication of this document. Characteristics provided in this publication derive from data obtained under controlled test conditions. Axter Ltd makes no warranties, express or implied, as to the properties and performance under any variations from such conditions in actual construction or for incorrect use of this project. Please ensure you read the hazard labels and MSDS before using this product – copy available from Axter.

*Please note: Above information is provided as a guideline. Coverage rate stated is approximate, the porosity and type of supports/materials/surface atmospheric conditions will affect coverage rates and potentially fall outside of the guideline given within the TDS.

It is necessary for a test to be conducted prior to application to establish accurate coverage rates, cure times and other factors on a project specific bases to ensure suitability for the wide variety of requirements and condition on site.

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