

Aexit modle

Aexit 20mm PVC-U Straight Pipe Fittings User Manual

Model: modle

[Product Overview](#) [Setup](#) [Operating](#)
[Instructions](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. PRODUCT OVERVIEW

The Aexit 20mm PVC-U Straight Pipe Fittings are designed for connecting two sections of 20mm outer diameter (OD) pipes in a straight line. These adapters are made from PVC-U material, known for its durability and suitability for drinking water systems. The smooth interior walls of the fittings contribute to lower pressure loss and higher volume flow, ensuring efficient fluid transfer. This package includes 6 pipe fittings.



Figure 1: Aexit 20mm PVC-U Straight Pipe Fittings. This image displays two white Aexit 20mm PVC-U straight pipe fittings. One fitting is shown upright, and the other is angled, showcasing its cylindrical shape and smooth interior designed for connecting two sections of pipe.

2. SETUP AND PREPARATION

Before installing the Aexit 20mm PVC-U Straight Pipe Fittings, ensure you have all necessary tools and materials. Proper preparation is crucial for a secure and leak-free connection.

2.1 Required Tools and Materials:

- **PVC-U Pipes:** Ensure pipes have an outer diameter of 20mm.
- **Pipe Cutter:** For clean, straight cuts on PVC-U pipes.
- **Deburring Tool or File:** To smooth pipe edges after cutting.
- **PVC-U Cement/Adhesive:** Specifically designed for PVC-U pipe connections.
- **Applicator Brush:** For applying PVC-U cement.
- **Clean Cloth:** For wiping pipes and fittings.
- **Safety Glasses and Gloves:** For personal protection.

2.2 Preparation Steps:

1. **Inspect Fittings:** Check each fitting for any damage or manufacturing defects.
2. **Clean Pipes:** Ensure the ends of the pipes to be joined are clean, dry, and free from dirt, grease, or moisture.
3. **Cut Pipes:** Cut the PVC-U pipes to the desired length using a pipe cutter, ensuring cuts are straight and perpendicular to the pipe axis.
4. **Deburr Edges:** Use a deburring tool or file to remove any burrs or rough edges from the inside and outside of the pipe ends. This helps ensure a smooth flow and proper fit.
5. **Dry Fit:** Perform a dry fit by inserting the pipe ends into the fitting without adhesive. The pipe should fit snugly, entering about two-thirds of the way into the fitting socket.

3. OPERATING INSTRUCTIONS (INSTALLATION)

Follow these steps carefully to ensure a strong, leak-proof connection using the Aexit 20mm PVC-U Straight Pipe Fittings.

1. **Apply PVC-U Cement:** Apply a generous, even coat of PVC-U cement to the outside of the pipe end and a thinner coat to the inside of the fitting socket. Work quickly, as the cement dries rapidly.
2. **Insert Pipe:** Immediately after applying cement, insert the pipe into the fitting socket with a quarter-turn motion until it reaches the bottom of the socket. This twisting motion helps distribute the cement evenly.
3. **Hold in Place:** Hold the pipe and fitting firmly together for at least 30 seconds to allow the cement to set and prevent the pipe from pushing out of the fitting.
4. **Wipe Excess:** Wipe off any excess cement from the joint with a clean cloth.
5. **Curing Time:** Allow the joint to cure for the recommended time specified by the PVC-U cement manufacturer before pressurizing the system. This typically ranges from 30 minutes to several hours, depending on temperature and humidity. For drinking water systems, ensure the cement is fully cured before use.

***Important:** Always refer to the specific instructions provided with your PVC-U cement for precise application and curing times.*

4. MAINTENANCE

Aexit PVC-U pipe fittings are designed for long-term durability and require minimal maintenance. However, periodic inspection can help ensure the integrity of your piping system.

- **Regular Inspection:** Periodically check all joints for any signs of leaks, cracks, or damage.
- **Cleaning:** If the fittings are exposed, clean them with a mild soap and water solution to remove dirt or grime. Avoid harsh chemicals or abrasive cleaners, as these can damage the PVC-U material.
- **Temperature Considerations:** Ensure the piping system operates within the recommended temperature range for PVC-U to prevent material degradation.
- **UV Protection:** If installed outdoors, consider protecting PVC-U pipes and fittings from prolonged direct sunlight exposure, which can cause material breakdown over time.

5. TROUBLESHOOTING

This section addresses common issues that may arise during or after the installation of PVC-U pipe fittings.

5.1 Leaks at Joints:

- **Cause:** Insufficient cement application, improper dry fit, pipe not fully inserted, or insufficient curing time.
- **Solution:** If a leak occurs, the joint must be cut out and replaced. Ensure proper application of PVC-U cement, full insertion of the pipe, and adequate curing time for new joints.

5.2 Difficulty Inserting Pipe:

- **Cause:** Burrs on pipe edges, incorrect pipe size, or cement drying too quickly.
- **Solution:** Deburr pipe edges thoroughly. Verify pipe OD is 20mm. Work quickly when applying cement and inserting the pipe.

5.3 Joint Failure:

- **Cause:** Improper cement, inadequate curing, excessive stress on the joint, or exposure to incompatible chemicals.
- **Solution:** Ensure correct PVC-U cement is used and fully cured. Support piping to reduce stress. Avoid contact with chemicals not compatible with PVC-U. Replace failed joints.

6. SPECIFICATIONS

Feature	Detail
Product Name	Pipe Fitting
Brand	Aexit
Model Number	modle
Type	Straight 2-Way Adapter
Main Material	PVC-U (Polyvinyl Chloride)
Main Color	White
Fit for Pipe OD	20mm (0.78 inches)
Inner Diameter	20mm (0.78 inches)
Overall Size (L*D)	39 x 25mm (1.5" x 1")
Weight (per fitting)	Approx. 11g (66g for 6 fittings)
Package Content	6 x Pipe Fittings

7. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Aexit 20mm PVC-U Straight Pipe Fittings, please refer to the documentation provided at the point of purchase or contact the retailer directly. Aexit is committed to providing quality products and customer satisfaction.

