



Alevate A+ Self-Drilling Screws – Technical details & Benefits Doc

1. Introduction

About Alevate A+ Screws

- Premium self-drilling fasteners for industrial roofing applications.
 - Made from **C1022 Carbon Steel**, engineered for strength and durability.
 - Enhanced with **1000-hour Ruspert coating + Black Electropoly coating**.
 - Distinct **A+ head mark** ensures traceability and brand assurance.
 - Developed for Indian industrial, coastal, and harsh environment roofing needs.
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2. Technical Specifications

Feature	Details		
Material	C1022 Carbon Steel		
Coating	Triple Coating – Zinc Coating + Ruspert coating (1000-hour salt spray) + Black Electroplating Paint coating		
Head Type	Hex Head		
Head Mark	A+		
Washer	EPDM washer for leak proof performance		
Sizes Available	25mm, 55mm, 65mm, 80mm		
Drill Point Type	Self Drilling		
Drilling Capacity	Up to 6 mm mild steel (MS) thickness		
Compatible Materials	MS Channels, Angles, Pipes, Purlins		

3. Advantages and Features

✔ Corrosion Resistance

- 1000+ hours salt spray resistance.
- Multi-layer coating for extreme weather and industrial environments.

Strong Drilling and Holding Power

- Self-drilling tip for fast, easy penetration in up to 6 mm thick MS.
- Reliable anchoring in Channels, Angles, Pipes, and Purlins.

Leak Proof

- EPDM washer seals prevent water leakage and thermal expansion damage.

Easy Identification and Aesthetics

- Black coating matches roofing aesthetics.
- A+ head mark ensures only genuine Alevate screws are used.

Time Saving

- Eliminates pre-drilling.
 - Quick penetration and faster installation, saving labour cost and time.
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4 Recommended Applications

- **Roofing Sheet Fixing to Purlins**
 - **Sheet to Sheet Overlaps**
 - **Industrial Sheds**
 - **Warehouses**
 - **Coastal Buildings**
 - **Chemical and Fertilizer Industries**
 - **Power Plants**
 - **Cold Storages**
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5 Installation Guidelines

- Always use with proper driver (magnetic socket).
 - Install at right angles for correct sealing.
 - Do not overtighten - stop once EPDM washer is compressed and sealing.
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6. Storage and Handling

- Store in covered, dry area to avoid corrosion.
- Use FIFO method. First in first out
- Avoid exposure of screws to site conditions before use.

7. Testing and Certifications

- Salt Spray Test → 1000+ Hours passed (ASTM B117)
- Drilling Test → Up to 6 mm mild steel
- Hardness, Shear and Pullout → As per International Standards

8. Warranty and Reliability

- Backed by **Alevate Warranty**. – Rusting warranty and breakage warranty
- Manufactured under strict QC guidelines.
- Suitable for aggressive Indian environments.

9. Do's and Don'ts

DO's

- Use appropriate size for each application.
- Use correct torque controlled drivers.
- Maintain angle and correct seating.

DON'Ts

- Don't overtighten.
- Don't use damaged screws.
- Don't expose screws unnecessarily before installation.

10. Conclusion: Why Alevate A+?

- Premium quality screws engineered for Indian roofing demands.
 - High corrosion protection + strong fixing + leak proof performance.
 - Trust of **Alevate brand and A+ marking**.
 - Preferred choice for professional roofing contractors and fabricators.
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