

QUICK-CHECK® ROOF INSPECTOR

DESCRIPTION:

The Quick-Check® Roof Inspector (Quick-Check) is a tool used for testing of Duro-Bond® plate welds and adhesion of adhered membranes. A vacuum seal is created to allow for pulling of the membrane with the Quick-Check.

The Quick-Check is comprised of an accordion-style suction cup attached to a hollow metal handle. The other end has a handle grip with a pressure-release button.

BENEFITS:

- Ergonomic stand-up design
- Non-destructive inspections
- Pre-project inspection potentially improves warranty scores

ORDERING:

The Quick-Check can be ordered individually. Each Quick-Check weighs approximately 2.5 pounds (1.13 kg).

- 1 Quick-Check (Item #18012)

STORAGE AND HANDLING:

- Always store in a dry location protected from the elements.

PRECAUTIONS:

- Wear proper personal protective equipment, such as gloves and eye protection.
- Lifting technique should be ergonomically correct to avoid injury.

OPERATING INSTRUCTIONS:

1. Press and hold the pressure-release button.
2. Position the Quick-Check over the test area, avoiding any irregular surfaces that might break the vacuum seal during testing. The user's feet should not be located directly at the sides of the Quick-Check.
 - a. When testing Duro-Bond plate welds, position the Quick-Check adjacent, but not over, the plate.
 - b. When testing membrane adhesion, position the Quick-Check wherever needed. This is done to verify the bond between the membrane and substrate and only tests the bond directly underneath the Quick-Check suction cup.



3. Push down and compress the suction cup.
4. Release the pressure-release button. The suction cup should now be stuck to the membrane because of the created vacuum seal.
5. Pull directly up with even force.
6. **Duro-Bond plate welds:**

Tests can be performed after plates have cooled to the touch.

 - a. **Bonded plate:**

As the membrane lifts and flexes upward, a crease will be created around the edge of the plate indicating a bond between the plate and membrane.
 - b. **Improperly bonded plate:**

As the membrane lifts, the membrane will continue to peel upward beyond the edge of the plate.

Mark any partial or unbonded plate and re-weld. If a 100 percent bond is not achieved on the second weld attempt, then replace the plate and membrane. Repeat the welding process.
7. **Membrane adhesion:**

With adhered membranes, the membrane should not lift up at all. If it does, then cut and replace the affected membrane and re-adhere.