

# INSTALLATION GUIDE RIC500A FOR REIDBAR

## GUIDELINE FOR INSTALLATION OF RIC500A INTO REIDBAR COMPONENTS

### - Application of RIC500A into joining threads of Reidbar and Coupler prior to first pour or installation.

- Wear appropriate P.P.E correctly.
  - Read RIC500A Datasheet and M.S.D.S (contact Reid for a copy or download from [www.reids.co.nz](http://www.reids.co.nz)).
1. Ensure the Reidbar has been cut, not cropped and the thread finished.
  2. Ensure there is no dirt, debris or grease on joining threads of Reidbar and internal threads of Reidbar Coupler. Scrub both threads with wire brush, blowout threads of Coupler with clean, dry compressed air.
  3. Express a line of RIC500A onto a sacrificial board until the colour is an even mid grey - this ensures the parts are mixed thoroughly.
  4. Coat the entire Reidbar joining threads (five deformations) with RIC500A - **do not apply into Coupler threads.**
  5. Screw Coupler onto Reidbar fully (at least five full turns) and tighten as specified, wipe off surplus with a rag and dispose of in a safe manner.
  6. To prevent RIC500A from fouling the opposite Coupler threads, Backing Rod could be inserted. Add 5-10mm to the Coupler size for eg. for an RB25C use 30mm Backing Rod.

### - Application of RIC500A into joining threads of Reidbar and Coupler for second pour or final installation

- Wear appropriate P.P.E correctly.
  - Read RIC500A Datasheet and M.S.D.S (contact Reid for a copy or download from [www.reids.co.nz](http://www.reids.co.nz)).
1. Ensure the Reidbar has been cut, not cropped and the thread finished.
  2. Ensure there is no dirt, debris or grease on joining threads of Reidbar and internal threads of Reidbar Coupler. Scrub both threads with wire brush, blowout threads of Coupler with clean, dry compressed air.
  3. Express a line of RIC500A onto a sacrificial board until the colour is an even mid grey - this ensures the parts are mixed thoroughly.
  4. Insert mixing nozzle fully into Coupler and express enough RIC500A to fill approximately one third of the Coupler cavity or coat the entire Reidbar joining threads (five deformations).
  5. Screw Reidbar into the coupler fully (at least five full turns) and tighten as specified.

Some RIC500A should seep out, this is a visual indication that the engaged threads are entirely coated. Wipe off surplus with a rag and dispose of cartridge in a safe manner.

If excessive RIC500A seeps out, decrease the amount expressed on subsequent applications.

**If no RIC500A seeps out**, unscrew Reidbar and repeat steps 4 and 5 and increase the amount expressed on subsequent applications.

### - Application of RIC500A into joining threads of Reidbar with Reidbar Nut or Flangenut

- Wear appropriate P.P.E correctly.
  - Read RIC500A Datasheet and M.S.D.S (contact Reid for a copy or download from [www.reids.co.nz](http://www.reids.co.nz)).
1. Ensure the Reidbar has been cut, not cropped and the thread finished.
  2. Ensure there is no dirt, debris or grease on joining threads of Reidbar and internal threads of Nut. Scrub both threads with wire brush, blowout threads of Nut with clean, dry compressed air.
  3. Express a line of RIC500A onto a sacrificial board until the colour is an even mid grey - this ensures the parts are mixed thoroughly.
  4. Coat the entire Reidbar joining threads (five deformations) with RIC500A.
  5. Screw Nut onto Reidbar fully (at least five full turns) and tighten as specified wipe off surplus with a rag and dispose of in a safe manner.

RIC500A should be visible from opposite end of the Nut. If not, unscrew Reidbar and repeat steps 4 and 5 but apply a thicker layer of RIC500A to the threads. Increase the amount applied on subsequent applications.

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## - Application of RIC500A onto joining threads of Reidbar and Reidbar Threaded Insert or Footplate

- Wear appropriate P.P.E correctly.
- Read RIC500A Datasheet and M.S.D.S (contact Reid for a copy or download from [www.reids.co.nz](http://www.reids.co.nz)).

1. Ensure the Reidbar has been cut, not cropped and no more than one thread finished.
2. Ensure there is no dirt, debris or grease on joining threads of Reidbar and internal threads of Threaded Insert. Scrub both threads with wire brush, blowout threads of Insert with clean, dry compressed air.
3. Express a line of RIC500A onto a sacrificial board until the colour is an even mid grey - this ensures the parts are mixed thoroughly.
4. Insert mixing nozzle fully into Threaded Insert and express enough RIC500A to fill approximately one third of the Insert cavity or coat the entire Reidbar joining threads (five deformations).
5. Screw Insert onto Reidbar fully (at least five full turns) and tighten as specified.

Some RIC500A should seep out, this is a visual indication that the engaged threads are entirely coated. Wipe off surplus with a rag and dispose of cartridge in a safe manner.

If excessive RIC500A seeps out, decrease the amount expressed on subsequent applications.

**If no RIC500A seeps out**, unscrew Reidbar and repeat steps 4 and 5 and increase the amount expressed on subsequent applications.

## - Application of RIC500A into joining threads of Reidbar and Grout Sleeve

- Wear appropriate P.P.E correctly.
- Read RIC500A Datasheet and M.S.D.S (contact Reid for a copy or download from [www.reids.co.nz](http://www.reids.co.nz)).

1. Ensure the Reidbar has been cut, not cropped and the thread finished.
2. Ensure there is no dirt, debris or grease on joining threads of Reidbar and internal threads of Reidbar Grout Sleeve. Scrub both threads with wire brush, blowout threads of Grout Sleeve with clean, dry compressed air.
3. Express a line of RIC500A onto a sacrificial board until the colour is an even mid grey - this ensures the parts are mixed thoroughly.
4. Coat the entire Reidbar joining threads (five deformations) with RIC500A - **do not apply into Grout Sleeve threads**.
5. Screw Grout Sleeve onto Reidbar fully (at least five full turns) and tighten as specified, wipe off surplus with a rag and dispose of in a safe manner.

## - Appropriate P.P.E (Personal Protective Equipment)

- Work in a well-ventilated area or wear NIOSH approved P.P.E breathing apparatus
- Long Sleeve shirt or top, or overalls
- Long pants or overalls
- Safety Glasses
- Gloves

## - Tips

To effectively coat Reidbar threads, expel RIC500A onto a sacrificial board – enough to coat threads as detailed above, then roll the bar end in the RIC500A, ensure all five deformations are fully coated.