



X-15

Machine Description:

The “**Bennu x-15**” is a handheld texture coating gun, primarily for use with 1.5mm Top Coat renders.

This sprayer is a self-contained unit where the loading, conveying and spraying take place to make the unit more mobile.

The sprayer is versatile and can be powered by either battery or corded drill, both need to be variable speed and have a reverse setting. (*Drills not supplied*)

For spraying, an air compressor fitted with a regulator is required. (*Compressor not supplied*)

Safety Instructions:

- Always check COSHH reports of materials used for recommended work practices and safety equipment to be worn.
- PPE should be worn when spraying and loading the sprayer. (Gloves, FFP3 Dust Mask, Protective Goggles)
- Operatives must be trained and competent to operate the sprayer.
- Ensure all equipment is undamaged and fit for purpose. Replace any defected or damaged components.
- Make sure all fittings are tight before use, including the shaft clamp.
- Do not place hand inside hopper when sprayer is running.
- Disconnect drill before repairs or maintenance is carried out.
- Do not overfill the hopper or carry more than is comfortable.
- Do not point the sprayer directly at people.
- Take regular breaks and consult the drill manual for safe use.

Setup & Assembly:

- Mix the top coat thoroughly according to manufacturer's guidelines. Clean water should be added to each bucket when mixing to achieve the best spraying consistency. Drills may struggle with thick top coat.
- Make sure the top coat is free from dry lumps which may cause blockages. Dry material on the side of buckets is a common cause of blockages.
- Fit the conveyor shaft into the chuck of the drill and make sure it is tight. Set the drill into reverse.
- The air compressor should be set to 34-38 psi. Attach one end of the air hose to the compressor and the other end to the sprayer.
- Before spraying top coat add approximately 1L of clean water in the hopper and let it drain out of the end of the sprayer to lubricate the inside.
- Fill the hopper to half full with top coat and point into an empty bucket. Start the drill allowing the top coat to flow through the sprayer. Do not turn the air compressor on at this stage. You may notice some small discolouration during this process. This is normal with spray machines.
- Once the top coat is flowing and you are no longer seeing any discolouration stop the drill and the flow will immediately stop. The machine is ready to start spraying.

Operation:

- Ensure the air valve on the sprayer is closed.
- Start the air compressor.
- Fill the hopper with top coat ensuring it is comfortable to lift. Do not overfill as this can cause injury.
- Go to area that needs to be sprayed and open the air valve
- Start the drill to start spraying.
- Keep the sprayer about 40cm from the wall and square on for best results.
- The speed of the spray is controlled by the drill, so for detailed work a slower spray rate can be used.
- Once the hopper is empty stop the drill and refill. Repeat until all spraying is finished.
- Pauses in spraying should be no longer than 30 minutes and less in hotter conditions. If it's going to be longer clean out the sprayer and start afresh.
- If a blockage occurs unscrew the nozzle and clean with fresh water. Pump out a small amount of top coat to flush the system then screw the nozzle back on and continue.

Cleaning:

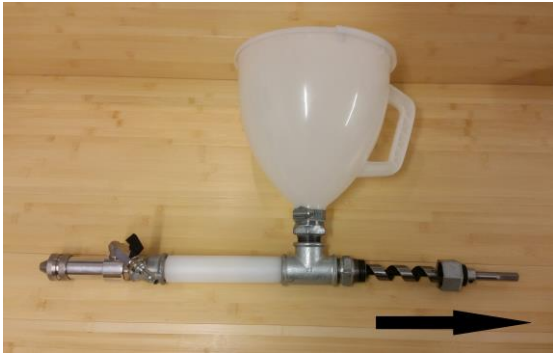
- Once spraying is complete turn off the air valve and compressor. Then unclip the air hose.
- Empty the remaining top coat in to the tub using the drill to push it out.
- Once it is empty unscrew the hopper, nylon pipe and spray nozzle and clean thoroughly with water and brush or cloth.
- Make sure all parts are clean so as not to cause blockages in later applications.

Guarantee:

- The sprayer is guaranteed for 3 months from purchase date. (Not including parts that are likely to wear i.e. seal rings and nylon pipe)
- The dated invoice counts as evidence for guarantee claims.
- The guarantee is only valid if original spare parts are used.
- Defective parts must be sent to us with postage paid. We reserve the right to decide to provide spare parts free of charge.

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Changing the Rear Seal:



- Undo the rear cap from the sprayer body. A large spanner will be needed for this.



- To release the spiral conveyor loosen the grub screw on the shaft collar. A 3mm allen key will be needed for this.



- Pull out the spiral, which will release the end cap, seal and shaft collar.



- The internal seal ring must be removed. This can be tight to get out so a flat headed screwdriver can help to remove it. Discard the old seal and insert the new one. Push this in firmly to the base of the cap making sure it is in square. The recessed side of the seal should face the end cap.



- When the seal is in place, slide the spiral shaft back through the cap and add the outer seal and shaft collar to the spiral. Push the spiral firmly in and tighten up the grub screw on the shaft collar to hold it firmly in place. Make sure the spiral is secured tightly.



- Place the spiral back in to the sprayer and tighten up the end cap. Always check all fittings are secured and tight before use.

Replacement Part List:

Ref Code	Part Name
BP101	Replacement Pipe
BN65	6.5mm Nozzle
BN85	8.5mm Nozzle
BN105	10.5mm Nozzle
BS102	Replacement Seals
BH103	Replacement Hopper
BAS104	Bennu Angle Set

All parts available at any Bennu stockist.

FAQ:

Q: What size nozzle do I need?

A: For 1mm to 2mm top coat a 6.5mm nozzle is used which is standard with the Bennu X-15, an 8.5mm nozzle if for 3mm top coat and light tyrolean and a 10.5mm nozzle is for a heavy tyrolean finish.

Q: My drill is struggling and the batteries are not lasting long?

A: The first thing to check is the top coat. Most top coats are stiff in the bucket so clean water will need to be added when mixing to achieve the right consistency. (See our website for videos on top coat consistency).

Check the chamber where the spiral is, if not clean properly a build up of dry top coat may also put strain on the drill.

We also recommend an 18v drill so it has enough power to run the sprayer with ease.

Q: What compressor do I need to run the Bennu X-15?

A: The tested minimum air compressor is an 8cfm compressor with a 50L tank. But we recommend getting a slightly bigger one if you plan to use it a lot so the compressor isn't work to its max level all the time. Also a good air regulator is a must, to get a constant air supply to get a consistent spray pattern.

Q: How long can I go with the air pipe?

A: We have tested Bennu with 100m of air hose and the pressure is still good.

Q: Why has my spray pattern changed?

A: Check the air holes in the nozzle for blockages and clean through with a small pin. Also keep the material that is being sprayed, at a consistent consistency throughout the job.

Q: There is no top coat coming out when I run my drill?

A: Firstly check the drill is in reverse as the spiral is anti-clockwise. If nothing happens there is a blockage. Dismantle the end of the sprayer and clean out with clean water to unblock.

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