

V003



Ice Prime - Diamond Cleaning

Ice stones Ltd.



www.ice-stones.net



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A. Ice Prime – Diamond Cleaning user manual

1. General:

The use of the machine and materials is for diamond cleaning purposes only and in accordance with the company's user manual.

2. Methodology

The diamonds are placed in a metal tube and cover with the material in the form of powder. In the correct temperature, the powder will melt and become a liquid. The liquid will clean all dirt from the surface of the diamond. Following the required period of time, the tube will be pulled out from the Ice Prime machine and when the temperature is correct the diamonds will be washed using water.

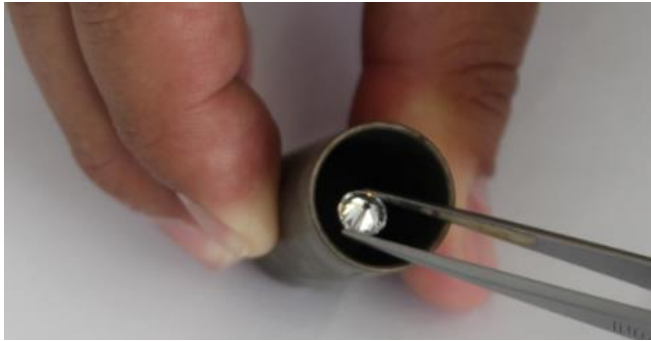
3. Working method:

1



- Ice Prime machine
- Tweezer
- Small strainer
- Small metal bowl
- Ice Prime metal tube
- Diamond Cleaner powder
- Vinegar
- 3 bowls - 2 with water, 1 with 50/50 mixture of water and vinegar.
- Plastic scooper

2



Place the diamond inside the tube

3



Add enough powder to generously cover the diamond and close the lid of the powder.

4



- Place the metal tube inside the machine
- Turn on the machine

5



Turn on the device

Set the timer to 50-55 Minutes.

[The heating process – 20-25M working time – 30M]

Press the **start** button. Once you press the start button the timer will automatically start

6



- Once the timer stops the “end” light will go on. Remove the metal tube and place it in the small metal bowl.
- Wait 5 minutes.
- Pour boiling water into the metal bowl until the metal tube is completely covered with water.
- Wait 2-5 minutes and carefully place the stone in the strainer (in the event that the stone does not come out then repeat step 8).

7



Wash the stone with water, 50/50 water vinegar mixture and finally wash with the second bowl of water.

8



Wipe the stone with a diamond cloth

4. Tips for success:

- 1) Be patient
- 2) Replace the water in the first plastic bowl after every 5 stones and the other 2 bowls after every 25 stones and at least once a day.
- 3) For factories with large quantity of stones, we recommend setting the timer for a period of one day and using a separate timer to measure the working cycles during the day.



B. General Guidelines Page

DIAMOND CLEANER POWDER

Trade name:	Diamond Cleaner
Product type and use:	Low reactive powder for diamonds
Supplier:	Ice Stones Israel LTD
Emergency telephone	Ice Stones Israel LTD
Number of the company and/or of an authorized advisory center:	Tel. +972-3-5752981 Fax. +972-3-5752981
Contact Person:	Dr. Joseph Petrover

Diamond Cleaner powder is a mixture consisting of several solid materials.

The use of the Diamonds Cleaner powder is for diamonds cleaning only. This process can be done in an office or industrial environment.

The company will not be liable for any damage to person, property or equipment which is caused by using the powder on materials other than diamonds or by not following the working instructions detailed in this document.

Safety Rules:

- The working environment must be a well ventilated area.
- Do not store the mixture in extreme conditions (high humidity, high heat).
- The lid of the box must be closed at all times (immediately after scooping) and should be stored in a dry area at room temperature.





- We recommend using protective gloves and goggles when handling the powder.
- Do not eat or swallow the mixtures.
- Avoid contact the powder with eyes or on non-protected skin.
- Although there is no immediate health risk in direct contact of the powder with skin, if the powder does come into contact with unprotected skin wash the area with a water and 5% vinegar solution.

Remember:

The Diamond Cleaner powder used in a very small amount (a few grams) and has been proven to pose no danger to the environment (air pollution, soil pollution, water pollution) or personal health.

Please see the attached lab results.

Waste Disposal of used mixtures:

- Used mixtures can be disposal in general wastewater sewer with the following conditions:
The powder/ water ratio needed for dilution for disposal is: one gram of powder to 5 liters of water.

Powder amount (grams)	Number of 1 carat single stones approximately	General wastewater volume (cubic meter per day)
10 gram	5-7	0.05 cubic meters per day
20 gram	10-14	0.10 cubic meters per day
50 gram	25-35	0.25 cubic meters per day
100 gram	50-70	0.50 cubic meters per day

For example, If your business created more than 0.05 cubic meters of wastewater per day (including sewage waste) you may use up to 10 grams of a mixture.

- In addition, you can to neutralize the mixture with a diluted vinegar solution (5%).

Please feel free to contact us with any questions you may have.

