

# **Xpedent Air Fly® Prophy Powder User Manual**

## **1. 【Scope of Application】**

This product is intended for use in conjunction with dental sandblasting and cleaning equipment. It is used within the oral cavity to grind, polish dental tissues, or restorative materials, ensuring a smooth and even surface.

This product is for oral use only, non-sterile, non-reusable, and should not be ingested.

## **2. 【Product Name】**

Prophy Powder

## **3. 【Model】**

AF-1, AF-2, AF-4

## **4. 【Specifications】**

AF-1: 300g, AF-2: 120g, AF-4: 200g

## **5. 【Structure and Composition】**

AF-1: Composed of sodium bicarbonate, silica, and edible lemon flavor (citral). It is a white powder.

AF-2: Composed of erythritol, silica, and edible lemon flavor (citral). It is a white powder.

AF-4: Composed of glycine, silica, and edible lemon flavor (citral). It is a white powder.

## **6. 【Product Performance】**

**AF-1**

pH Value: < 8.6

Flowability: Angle of repose  $\leq 35^\circ$

Bulk Density:  $\leq 1.05 \text{ g/cm}^3$

PX-1 V1.0 20220712

## **AF-2**

pH Value: 6 to 7

Flowability: Angle of repose  $\leq 35^\circ$

Bulk Density:  $\leq 0.82 \text{ g/cm}^3$

## **AF-4**

pH Value: 7.0 to 8.0

Flowability: Angle of repose  $\leq 35^\circ$

Bulk Density:  $\leq 0.75 \text{ g/cm}^3$

## **7. 【Instructions for Use】**

7.1 Before opening the bottle, gently shake the bottle up and down a few times to disperse any powder clumps inside.

7.2 Open the bottle cap and pour an appropriate amount of sandblasting powder into the sandblasting bottle of the sandblasting machine. Tighten the bottle cap.

7.3 Start the sandblasting machine and aim the sandblasting nozzle at the tooth area that needs cleaning for the sandblasting operation.

## **8. 【General Instructions】**

### **8.1 Precautions**

- 8.1.1 This product is contraindicated for individuals allergic to any of its components.
- 8.1.2 Please follow medical advice and use under the guidance of a healthcare professional.
- 8.1.3 Do not pour any unused sandblasting powder back into the bottle after use.
- 8.1.4 Do not ingest. Keep out of reach of children.
- 8.1.5 In case of accidental ingestion in large quantities, seek immediate medical attention.
- 8.1.6 After opening the sandblasting powder bottle, promptly close and tighten the bottle cap to prevent moisture from affecting the powder's performance.
- 8.1.7 If the sandblasting cleaning equipment is not used for an extended period, clean the old sandblasting powder from the equipment's powder container before refilling it with new sandblasting powder to prevent clumping and equipment blockages.

## **8.2 Contraindications**

- 8.2.1 This product is contraindicated for individuals allergic to any of its components.
- 8.2.2 Under no circumstances should this sandblasting powder and sandblasting machine equipment be used for the treatment of patients with chronic bronchitis or asthma, as the aerosolized mixture may cause respiratory distress in patients.
- 8.2.3 Do not use this sandblasting powder for the treatment of patients on a low-sodium diet.
- 8.2.4 Do not directly aim the sandblasting nozzle of the functioning sandblasting handpiece at dental fillings, crowns, denture frameworks, etc., as it may damage restorative materials.
- 8.2.5 Pregnant women, breastfeeding women, and young children should use with caution or under a doctor's guidance.

### **8.3 Production Date**

Refer to the label.

### **8.4 Product Shelf Life**

24 months.

### **8.5 Shelf Life After Opening**

30 days.

### **8.6 Storage Conditions**

8.6.1 Store in a cool, dry place, away from acidic liquids and heat sources.

8.6.2 Prolonged exposure to high temperatures and humidity can shorten the product's shelf life. If any abnormal changes such as discoloration or bloating of the sandblasting powder are observed, discontinue use.

## **9. Other Usage Recommendations and Instructions**




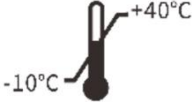














9.1 It is advisable to apply an appropriate amount of petroleum jelly to the patient's lips before treatment.









9.2 During treatment, both the patient and the operator must wear protective face masks or goggles.

9.3 The operator must wear a mask during treatment.

9.4 During treatment, use the high-speed suction device (strong suction) on the dental comprehensive treatment machine to assist in removing the aerosolized water-powder mixture.

## 【Symbol Description】

	Follow the instructions to use		Avoid sun exposure
	Product registration trademark		Temperature Limit
	Humidity limit		Avoid rain
	Atmospheric pressure limit		Recyclable
	Shake well before use		fragile
	warn		Do not reuse" are "single use, "Use only once
	Batch Code		Catalogue number
	Warnings and Precautions		non-sterile
	medical device		Manufacture Date

	Manufacturer Name Address		Name and Address of European Union Representative
	CE Symbol		Unique Device Identification
	Country of Manufacture		Model Number
	Importer		Distributor

#### 【Manufacturer】



Company: Guilin Yikeshi Medical Instrument Co.,Ltd.  
Address: D-8, Guilin National High-tech Zone Information Industrial  
Park, Chaoyang Road, Qixing District, Guilin, Guangxi, 541004, P.R.  
China

#### 【European Authorized Representative】



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Production date: see label

Product lifespan: 24 months

Compilation date of the manual: July 12, 2022