

# Clinpro™ Glycine Prophy Powder

For supra- and subgingival cleaning

# Clinpro™ Glycine Prophy Powder with TCP

For added sensitivity relief



Confidence for you –  
comfort for your patient

**3M** ESPE



## functionalized Tri-Calcium Phosphate

... serves as a mineral reservoir to fuel the ongoing biological re-mineralization process.

... is a patented technology, exclusively available from 3M ESPE.

... is a tailored form of beta-Tri-Calcium Phosphate to create stronger, more acid-resistant tooth-like mineral relative to standard fluoridation processes.

# INDICATIONS FOR CLINPRO™ PROPHY POWDERS

Air polishing during Professional Tooth Cleaning	Clinpro™ Glycine Prophy Powder	Clinpro™ Glycine Prophy Powder with TCP	Bicarbonate Prophy Powders
Supragingival	✓	✓	✓
Subgingival Supportive maintenance in gingivitis/periodontitis therapy	✓	✓	—
Restorative materials Brackets	✓	✓	✓
Abutments/Implants Supportive maintenance in peri-implant disease therapy	✓	✓	—
Added Dentin hypersensitivity Relief	—	✓	—



READ MORE ABOUT APPLICATION, ADVANTAGES AND TIPS FOR SUCCESS ...

# PREPARATION GET READY!

## IMPORTANT BEFORE USE

- When changing powder always remove all remaining powder completely from all device components using dry air! Moist powder can block the device! Do not allow the prophylactic powder to come into contact with moisture.



**AVOID MOISTURE**  
in the environment.



**SHAKE THE BOTTLE**  
until the Clinpro™ Glycine Prophy Powders  
are loose and will flow freely.



**FILL SLOWLY**  
in order to avoid dust.

Additionally, Empty the powder chamber of the device at the end of the day and remove the powder residue completely with dry air. Subsequently re-close the powder chamber and start the device for approx. 5 sec. to remove all powder residue from the device and it's lines.

## THE CLEANING EFFICIENCY

of the prophylactic powder is dependent on a number of factors:

- Air polishing device
- Device settings for air pressure and water flow
- Cleaning distance and angle to tooth surface



### BEFORE USAGE

Aim the spray nozzle into the larger suction or into the washbasin and spray until the powder-water mixture becomes homogeneous and the settings are optimal for your use.

**NEVER** use the air polishing device without water.

### PROTECTIVE MEASURES & PATIENT COMFORT

Powder accidentally sprayed into the eyes can cause severe eye injury or cause irritation if it gets under contact lenses. Patients should wear protective eyewear instead of their eyeglasses to avoid getting them soiled or scratched during treatment.



### USE PROTECTIVE EYEWEAR

for both patient and clinician.

- Spread **LIP BALM** on the patient's mouth to avoid drying and cracking.
- Place optional further **NAPKINS** for protection of the patient.
- Place a **SALIVA EJECTOR** in the corner of the patient's mouth.
- Use **LARGE SUCTION CANNULA** to avoid aerosol formation.

## TIPS FOR SUCCESS

- **ALWAYS PLACE THE LARGE SUCTION** in position of the reflection angle of the powder.
- To avoid further splashing, always go **FROM WHITE** (teeth) **TO RED** direction (soft tissue). In contrast to other air polishing powders, the gentleness of Clinpro™ Glycine Prophy Powders allow such a technique.
- Avoid splashing by **USING CORRECT DISTANCE AND ANGLE** to focus the stream.
- Always **POINT IN AN ANGLE ON APPROXIMAL SURFACES**. **NEVER** spray through interdental spaces.

Please always follow the **OPERATOR INSTRUCTIONS OF THE DEVICE**.

Below are some device-specifications we identified:

### **AIR FLOW® MASTER/MASTER PIEZON (EMS)**

- Please use the Perioflow mode, which works with less pressure for supra- and subgingival cleaning.
- Please work with cartridge for the Air-Flow Perio Powder.

### **PROPHYFLEX® 3 & 2 (KAVO)**

- Pressure settings additionally determined by different caps placed on the powder tube in the powder chamber – please use silver cap to screw on.

### **AIR-N-GO® AIRPOLISHER (ACTEON)**

- Please use the periopowder tank.

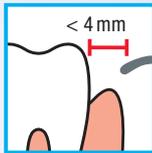


Large suction cannula.



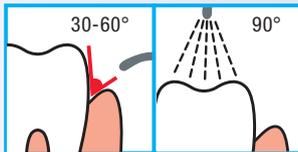
Spray direction.

# SUPRAGINGIVAL AIR POLISHING APPLICATION



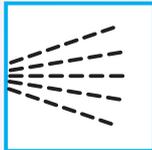
## DISTANCE 4 mm

Hold the nozzle near the tooth surface at a maximum distance of 4 mm.



## ANGLE 30°-60°

Point the nozzle at an angle of 30° to 60° to the tooth surface. An angle of 90° can only be used on occlusal surfaces and brackets.



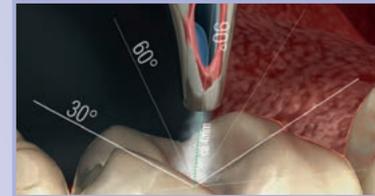
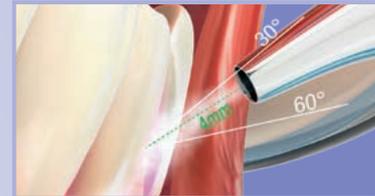
## SPRAY DIRECTION

To avoid further splashing, always go from white (teeth) to red direction (soft tissue). In contrast to other air polishing powders, the gentleness of Clinpro™ Glycine Prophy Powders allow such a technique.



## TIME MAX. 5 SEC.

Spray each tooth surface for a maximum of 5 seconds by constantly moving the nozzle in a circular motion and avoid aiming the spray continuously at one spot.



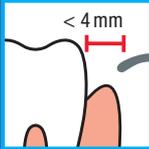
## ADVANTAGES

- **Clinpro™ Glycine Prophy Powders are very gentle powders** with an optimal balance between cleaning efficiency and abrasiveness and can both be used for **sub- and supragingival cleaning**.
- **Any restorative material can be cleaned** due to the gentleness of the powder. A small Tri-Calcium Phosphate film can adhere to the restorative surface in case of the powder with *f*TCP. If needed this can be polished away with paste polishing.
- **Polishing is not explicitly necessary** since glycine is leaving a smooth surface. A polishing step could however follow.
- Both Clinpro Glycine Prophy Powders can be used **several times per year** due to their gentleness.
- **Soft biofilm and plaque can easily be removed.** In case of frequent recall, good dental hygiene, a healthy periodontium and no calculus, air polishing can even replace scaling and paste-polishing.



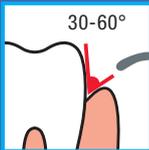
# SUBGINGIVAL AIR POLISHING

## SUPPORTIVE MAINTENANCE IN GINGIVITIS / PERIODONTITIS THERAPY APPLICATION



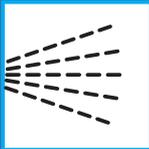
### **DISTANCE 4 mm**

Hold the nozzle near the tooth surface at a maximum distance of 4 mm.



### **ANGLE 30°-60°**

Point the nozzle at an angle of 30° to 60° to the tooth surface.  
**NEVER** spray directly in the sulcus or on soft tissue!



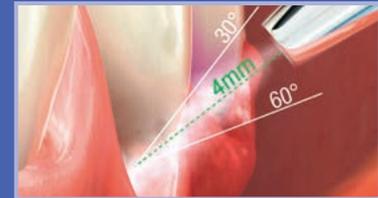
### **SPRAY DIRECTION**

**SPRAY DIRECTLY ON THE TOOTH** along the gingival margin in a smooth, steady motion to have the powder clean subgingival. The smaller the angle, the deeper the powder stream will penetrate the sulcus (BUT:  $>30^\circ$  to tooth surface). Up to 5 mm with standard nozzle.



### **TIME MAX. 5 SEC.**

Spray each tooth surface for a maximum of 5 seconds by constantly moving the nozzle in a circular motion. Avoid aiming the spray continuously at one spot.



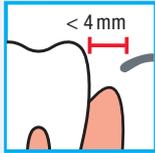
## ADVANTAGES

- In contrast to other air polishing powder types, **both Clinpro™ Glycine Prophy Powders can be used subgingivally.\***
- In contrast to other air polishing powders **Glycine has a polishing effect leaving a smooth subgingival surface.**
- Both Clinpro Glycine Prophy Powders can be used **several times per year** due to their gentleness.
- **Soft biofilm and plaque can easily be removed.** In case of frequent recall, good dental hygiene, a healthy periodontium and no calculus, air polishing can even replace scaling and paste-polishing.



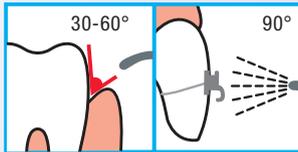
\*See Petersilka et al., J Clin Periodontol 2003; 30: 165–170).

# RESTORATIONS & BRACKETS AIR POLISHING APPLICATION



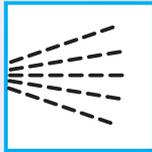
## DISTANCE 4 mm

Hold the nozzle near the tooth surface at a maximum distance of 4 mm.



## ANGLE 30°-60°

Point the nozzle at an angle of 30° to 60° to the tooth surface or restoration. An angle of 90° can also be used on occlusal surfaces and brackets. **NEVER** spray directly in the sulcus or on soft tissue!



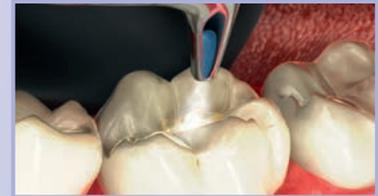
## SPRAY DIRECTION

To avoid further splashing, always go from white (teeth) to red direction (soft tissue). In contrast to other air polishing powders, the gentleness of Clinpro™ Glycine Prophy Powders allow such a technique.



## TIME MAX. 5 SEC.

Spray each tooth surface for a maximum of 5 seconds by constantly moving the nozzle in a circular motion and avoid aiming the spray continuously at one spot.



# ADVANTAGES

## ANY RESTORATIVE MATERIAL CAN BE CLEANED

due to the gentleness of the Clinpro™ Glycine Prophy Powder:

- Composites
- Sealants
- Metal restorations
- Ceramics
- GIC
- Brackets
- A small *f*TCP film can adhere to the restorative surface in case of Glycine powder with *f*TCP. It can be polished away with paste polishing.
- Both Clinpro Glycine Prophy Powders can be used **several times per year** due to their gentleness.
- **Soft biofilm and plaque can easily be removed.** In case of frequent recall, good dental hygiene, a healthy periodontium and no calculus, air polishing can even replace scaling and paste-polishing.



# IMPLANTS INCL. ABUTMENT AIR POLISHING

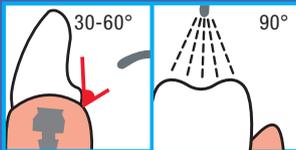
## SUPPORTIVE MAINTENANCE IN PERI-IMPLANT DISEASES

### APPLICATION



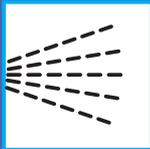
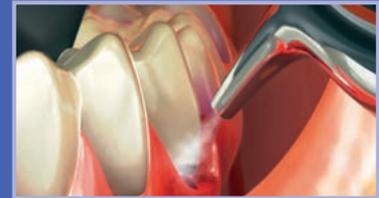
#### **DISTANCE 4 mm**

Hold the nozzle near the tooth surface at a maximum distance of 4 mm.



#### **ANGLE 30°-60°**

Point the nozzle at an angle of 30 to 60° to the abutment/implant supported restoration for supra- and subgingival cleaning. 90° only on occlusal surfaces! **NEVER** spray directly in the sulcus or on soft tissue!



#### **SPRAY DIRECTION**

Spray directly on the abutment/implant along the gingival margin in a smooth, steady motion to have the powder clean subgingival. The smaller the angle, the deeper the powder stream will penetrate the sulcus (BUT: >30° to abutment/implant surface). Up to 5 mm with standard nozzle.



#### **TIME MAX. 5 SEC.**

Spray each abutment/implant tooth surface for a maximum of 5 seconds by constantly moving the nozzle in a circular motion and avoid aiming the spray continuously at one spot.

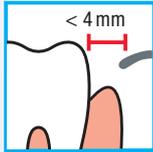


## ADVANTAGES

- Both Clinpro™ Glycine Prophy Powders can be used **for sub- and supragingival cleaning** of restorations and abutments/implants due to the gentleness of the powder.
- A small *f*TCP film can adhere to the restorative surface. It can be polished away with paste polishing.
- Both Clinpro Glycine Prophy Powders can be used **several times per year** due to their gentleness.
- **Soft biofilm and plaque can easily be removed.** In case of frequent recall, good dental hygiene, a healthy periodontium and no calculus, air polishing can even replace scaling and paste-polishing.

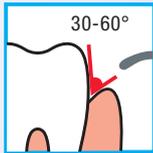


# DENTIN HYPERSENSITIVITY AIR POLISHING APPLICATION



## DISTANCE 4 mm

Hold the nozzle near the tooth surface at a maximum distance of 4 mm.



## ANGLE 30°-60°

Point the nozzle at an angle of 30° to 60° tooth surface. **NEVER** spray directly in the sulcus or on soft tissue! An angle of 90° can only be used on occlusal surfaces.



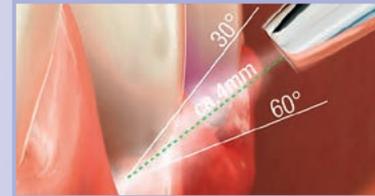
## SPRAY DIRECTION

Start spraying in higher distance to the root surface and approach further while spraying for optimal patient comfort.



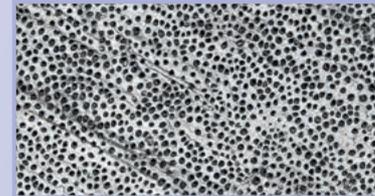
## TIME MAX. 5 SEC.

Spray each tooth surface for a maximum of 5 seconds by constantly moving the nozzle in a circular motion and avoid aiming the spray continuously at one spot.



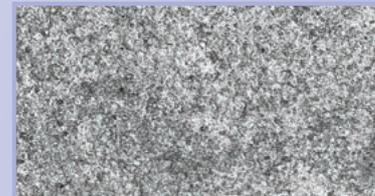
## BEFORE

Exposed dentin tubules



## AFTER

Blocked dentin tubules  
Clinpro™ Glycine Prophy Powder with TCP



## TREATMENT OF HYPERSENSITIVITY

- Use Clinpro™ Glycine Prophy Powder with functionalized Tri-Calcium Phosphate (*f*TCP) for treatment of dentin hypersensitivity.

### WHAT IS FUNCTIONALIZED TRI-CALCIUM PHOSPHATE (*f*TCP)?

- *f*TCP ... serves as a mineral reservoir to fuel the ongoing biological re-mineralization process.
  - ... is a patented technology, exclusively available from 3M ESPE.
  - ... is a tailored form of beta-Tri-Calcium Phosphate to create stronger, more acid-resistant tooth-like mineral relative to standard fluoridation processes.

### HOW DOES IT WORK IN CLINPRO GLYCINE PROPHY POWDER WITH *f*TCP?

- It occludes the dentinal tubules.
- Functionalization of the TCP acts as a glue to fix the *f*TCP particles in the dentinal tubules.
- *f*TCP is a partially soluble precursor to hydroxyapatite, the principle mineral of teeth.



STRENGTHEN  
NATURAL  
RESISTANCE

See also the Technical Animation Video on  
Clinpro™ Glycine Prophy Powder **APPLICATION**.

For more information on: Clinpro Prophy Powder technologies,  
Clinical Evidence/Clinical Studies and Prevention Procedure,  
please see the **INTERACTIVE DIGITAL BROCHURE** on  
Clinpro Glycine Prophy Powders.

**[www.3MESPE.com](http://www.3MESPE.com)**

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