

# ACTIVE ALIGNERS



Active Aligners: Finishing & Retention

# FINISHING & RETENTION

---

OVERCORRECTION  
RETENTION  
FIXED WIRE RETAINERS

ACTIVE ALIGNERS

# ACTIVE ALIGNERS — FINISHING & RETENTION

## OVERCORRECTION

- Overcorrection is used in traditional orthodontics for tooth movement beyond the ideal final position to compensate for potential dental relapse.
- In terms of Active Aligners, overcorrection is tooth movement beyond the ideal final position that is built into the Active Aligners to compensate for the lag in tooth movement and to ensure the tooth reaches its desired final position.

While Overcorrection trays are not often provided, they may be prescribed for the following dental movements:

- Rotations
- Labial/Lingual movement including forward movement from tongue thrusting
- Expansion or gapping
- Extrusion



# ACTIVE ALIGNERS — FINISHING & RETENTION (CONT)

## RETENTION



- Retention refers to the practice of preventing ortho relapse by holding the final position.
- 1 Set of 1mm Essix retainers are supplied with your patients Active Aligner treatment.
- Patient wears retainers for 22 hours a day for 3 months and then switches to night-time wear
- Patients often ask for fixed retention – lingual wire:  
This is up to the doctor's discretion after looking at the patients bite and whether fixed retention will last for the patient.

# ACTIVE ALIGNERS — FINISHING & RETENTION

## FIXED WIRE RETAINERS

### WHAT YOU NEED TO KNOW:

Through the use of 3D technology, we are able to custom contour the fixed wire retainer to each patient's individually printed arch

We make use of a standard 0.7mm wire but can manufacture 0.5mm on request

A stent (guide) which makes placement even easier, is included

We need upper and lower scan/bite to manufacture the fixed retainer.

A fixed wire retainer should only be used after the 3 month retention period has lapsed, and the provider is confident the treatment has had a satisfactory outcome.

Please only submit current scan/impression for manufacture. Last stage/outdated scans or impressions cannot be used.

Upper lingual wire may be used overbite and overjet permitting

Should you wish, a custom removable retainer (formed over the wire) to be used in conjunction with the fixed retainer, can also be manufactured

### TIPS FOR GETTING STARTED:

1. Place in mouth and attach onto canines first
2. Remove stent/guide
3. Apply composite to the rest of the fixed wire for permanent application



# ACTIVE ALIGNERS — THE ACTIVE ALIGNERS DIFFERENCE

## WHY ACTIVE ALIGNERS - ACCURACY

- 3D Printers specifically calibrated to the lab environment and temperature
- Many Labs buy off-the-shelf 3D printers to produce Aligners which, depending on the climate, atmospheric pressure and humidity levels differ from location to location for 3D printing.
- 4.0 Bar positive pressure thermoforming over vacuum forming
- Many Labs use Vacuum forming “suck down” machines that don’t have the accuracy required for teeth, gum line definition and gingival textures needed for quality patient outcomes.
- Intra-oral Scans or Advanced Lab Scanner with powerful Cad/Cam
- Accuracy throughout the Aligner therapy process is critical, poor performing equipment adds %’s of error across the process, from record taking through to the manufacturing of Aligners. Great Active Aligners start with great impressions.
- Aligner Material
- Appearance, Strength and Durability, we use Essix. “When it comes to meeting the needs of clinician and patient alike, **Essix® Brand Plastics** give you the quality you demand and the versatility you need.” Dentsply Sirona.



ACTIVE ALIGNERS

# ACTIVE ALIGNERS — CONTACT DETAILS

## ACTIVE ALIGNERS – SOUTH AFRICA

[info@activealigners.com](mailto:info@activealigners.com)

**+27 878078724**

**Building 14, 1<sup>st</sup> floor  
Woodlands Office Park  
20 Woodlands Drive  
Woodmead  
Johannesburg  
Gauteng  
2191  
SOUTH AFRICA**

ACTIVE ALIGNERS

# ACTIVE ALIGNERS —

## WE ARE HERE FOR YOU EVERY STEP OF THE WAY

- We pride ourselves on great customer service
- Support where needed: Online, Telephonic, Text
- Flexibility where it matters
- The Active Aligners team is here to help.

### LAB SUBMISSIONS

[submissions@smileclublab.co.za](mailto:submissions@smileclublab.co.za)

### IMPRESSION COLLECTIONS

[info@smileclub.co.za](mailto:info@smileclub.co.za)

### ACCOUNTS

[smileclubaccounts@smileclub.co.za](mailto:smileclubaccounts@smileclub.co.za)

### ADMIN

[admin@smileclub.co.za](mailto:admin@smileclub.co.za)