Over the last 79 years, DAL has built one of the most respected service-driven full service laboratories in the dental industry. We strive to continually develop our role as your partner in providing your patients with predictable, highly esthetic fixed and removable restorations that meet your specifications for both fit and function.

This DAL Tech Sheet features our full line of preventative care products. DAL offers you a specialized department dedicated to splints and protective mouthguards. We are trained and certified in each of these product technologies.

DAL COMFORT BITE SPLINTS
DAL Comfort Bite Splints offer you and your patients cost-effective bruxism protection as well as protection for fixed restorative work. DAL Comfort Bite Splints are thermoformed using sudden vacuum for precise adaptation and can be fabricated for either arch. Additionally, DAL Comfort Bite Splints are easily adjusted and polished, and may be added to with self-cure orthodontic acrylic if required. They are available in three design alternatives:

DAL Comfort Hard/Soft Bite Splint
Our standard splint, which is the same as the DAL Comfort Hard Bite Splint except the inner surface has a 1 mm layer of soft material for increased comfort and ease of delivery. Occlusal thickness of the finished splint is approximately 2½ mm. This splint is not available with canine guidance or posterior disclusion.

DAL Comfort Soft Bite Splint
An upper or lower soft, clear splint available with or without imprint of opposing teeth. Occlusal thickness of the finished splint is approximately 3 mm. Thinner splints are available upon request.

DAL Comfort Hard Bite Splint
A hard, clear, full coverage splint with even, flat contacts with opposing teeth. Occlusal thickness of the finished splint is approximately 2½ mm. This splint is not available with canine guidance or posterior disclusion.

DAL OCCLUSAL SPLINTS
DAL Occlusal Splints are processed with Flexite MP injected clear resin featuring full coverage with flat, even opposing contacts, canine rise and posterior disclusion. Our premium Flexite MP splints can be fabricated on either arch and modified to your exact design requirements and construction bite registration.

Flexite MP Super Clear Splint with Soft Talon
These splints are the same as the Flexite MP Super Clear Splints with the addition of an inner layer of Talon soft thermoplastic material. Talon softens when warmed to provide exceptional comfort for the patient and easy delivery for the dentist.

Flexite MP Super Clear Splint
Flexite MP Super Clear Splints are custom waxed to your exact specifications and injected in Flexite clear resin. This splint offers superior fracture resistance and exhibits exceptional clarity. Canine guidance and posterior disclusion are standard unless otherwise specified.

Talon Soft Splint
Talon Soft Splints are fabricated to the same standards as Flexite MP except the entire splint is constructed from Talon soft thermoplastic. This splint is not as durable and should be viewed as a customized version of a soft mouthguard.
CLINICAL PROCEDURES FOR SPLINTS AND NIGHTGUARDS

All DAL splints and nightguards require a sharp, clean fabrication impression or model which extends at least 5 mm past labial/buccal margins and 10 mm past lingual margins and a proper opposing model. Please provide an open construction bite registration. This can be easily recorded by placing two cotton rolls behind the cuspids and instructing the patient to close. With patient closed into this open bite, inject bite registration into the posterior openings of both quadrants. Your casts will be articulated to the construction bite registration or to the natural bite if no registration is provided.

PROFORM SPORTS MOUTHGUARDS

Laboratory processed professional grade ProForm mouthguards are prescribed for both professional and amateur athletes because they offer the highest level of protection, retention, comfort and fit, without interfering with speech or breathing during play. ProForm has the advantage over boil-and-bite types of mouthguards because of their superior fit and retention. In addition, ProForm mouthguards are thin, comfortable, custom fitted and will retain their shape long after other mouthguards have worn out.

ProForm sports mouthguards reduce the incidence of tooth breakage by distributing the stress of impact to the entire length of the tooth. This feature is provided by a double layer of laminated sheet vinyl with a lingual plate embedded behind the incisors. Tensile strength, softness, compression percentage and uniform density are all important characteristics of mouthguard materials. ProForm maintains these characteristics using a heat/pressure laminating process. Tensile strength of the laminate is excellent due to the laminate’s two layers of materials making up the mouthguard. Density is maintained at the pressure laminating process so shrinkage of the mouthguard is uniformly controlled.

ProForm Advantages

- Anterior brace for extra protection
- Increased oxygen intake for maximum performance and endurance
- Improved speech for clear communication on the field
- Natural comfort with a secure fit
- Easy to attach break-away strip
- Provides maximum impact dispersion and protection against tooth damage
- Custom fit for any size mouth
- Numerous color options to meet the needs of your patients