

EXPASYL™  
EXACT



PERFORMANCE FOR YOU  
ACTEON ORIGINAL  
SAFETY FOR YOUR PATIENTS



**ONE DOSE**  
**ONE PATIENT**  
preserved  
sulcular  
opening

ACTEON



# prosthetics workflow

## EXPASYL<sup>TM</sup> EXACT

Acclaimed by digital impression  
camera users  
(CAD/CAM) for natural and  
aesthetic prosthesis



*"Restorative procedures require imperative precision and perfect preparation, with the respect of marginal periodontium"*

Dr. Lasserre  
France  
DDS, PhD



DIAGNOSIS > DATA ACQUISITION > PREPARATION & TREATMENT  
TREATMENT PLANNING

*"My dentist?  
I recommend him to  
everyone"*

Lana  
Dr. Lasserre's  
patient



# The right pressure for perfect sulcular opening

# Demonstrated performance<sup>(1,2,3)</sup> The solution for every clinical situation

## EFFICIENT DRYING

and preserved sulcular opening

## PRESERVES

the epithelial attachment and gum line

## ASTRINGENT EFFECT:

No bleeding

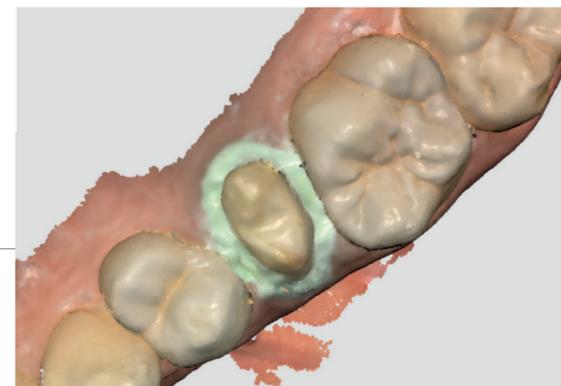
## FAST, SIMPLE

and cost-affordable protocol

## CLINICAL EFFICACY



Dr Gerdolle, Switzerland



Dr Boulic, France

Expasyl™ Exact offers a wide range of applications

## CONVENTIONAL & DIGITAL

impression

Class II and V

## PRESERVATIVE CARE

## SEALING / BONDING

## IMPLANTOLOGY



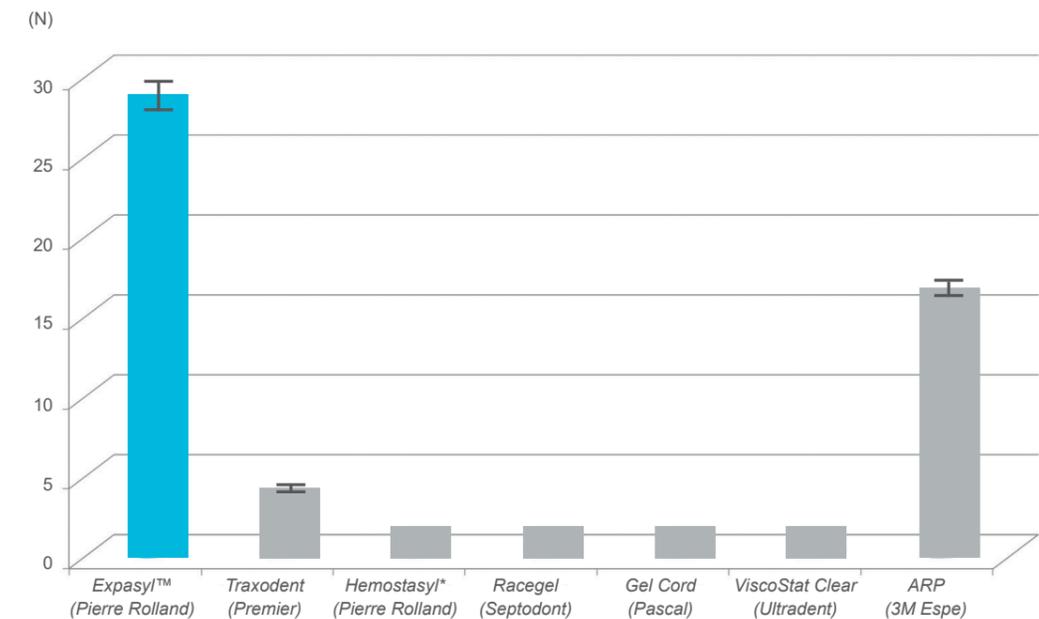
Expasyl™ Exact paste provides excellent benefits with little risks. Its viscosity has been carefully calculated to open the sulcus effectively without damaging the epithelial attachment.

Your procedure is both safe and effective. No need to wait for the tissue healing since it has not been damaged.

- ▶ Expasyl™ generates a pressure that is 37 times less than a cord (143 vs 5396 kPa)(1)
- ▶ The epithelial attachment is preserved (the integrity of the epithelial attachment is no longer guaranteed above 2400 kPa)(2). The risk of gingival recession and bone resorption are reduced
- ▶ Your patient doesn't suffer

- ▶ Expasyl™ generates pressure that is 1.7 to 9.2 times greater than other retraction paste available on the market(3)

## FORCE REQUIRED FOR MOVEMENT WITH RETRACTION GEL AND COMPOUND (IN VITRO)



Adapted from American Association for Dental Research

Note: Hemostasyl is included in this study but is not a retraction compound.

<sup>(1)</sup> Bennani V, Aarts JM, He LH. A comparison of pressure generated by cordless gingival displacement techniques. J Prosthet Dent. 2012 June;107(6):388-92.

<sup>(2)</sup> Bennani V, Inger M, Aarts JM. Comparison of pressure generated by cordless gingival displacement materials. J Prosthet Dent. 2014 Aug;112(2):163-7.

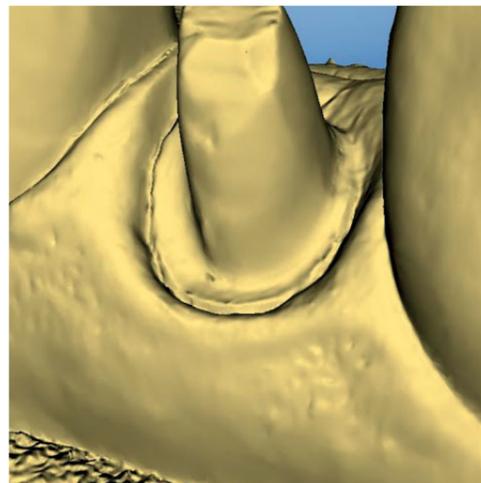
<sup>(3)</sup> Klettle T, Schulte C. "Force required to displace Pastes and gels for Gingival retraction", 2012 AADR Annual Meeting (Tampa, Florida) – Poster Session ID 1364.

Your partner  
for a natural  
and aesthetic  
prosthesis

Superior tissue  
management  
great impression



- ▶ One dose, one patient for ease of use
- ▶ Avoid cross-contamination
- ▶ Cost-effective : no waste of material, up to 3 teeth
- ▶ Works with any composite applicator gun



P. Lalet, e-dentisterie

## ONE DOSE - ONE PATIENT

- ▶ The compound opens the sulcus and dries it (blood, saliva and fluids) completely
- ▶ Expasyl™ facilitates access to the preparation limits and emergence profile for perfect impressions

«Like a traditional impression, a digital imprint requires a precise reading of the limits and no bleeding. For this subgingival preparation covering the dark side of the tooth, the gum tissue quickly repositions itself on the margin, making it impossible to read. Expasyl™ makes it possible to open the sulcus and dry the place for a right impression. Because reading is easier, the procedure is completed more quickly.»

Dr. P. Lalet,  
E-dentisterie

## RETRACTION CORD VS EXPASYL™ EXACT\*

- ▶ Accessibility to cervical limits without damaging the gingival tissues is essential.

Retraction cord causes acute injury as laceration and irreversible trauma to the attachment. The risks are recession, loss of epithelial attachment.

Moreover if the sulcus is damaged, the chemical agents included in the cord penetrate into deep layer cells. This may induce delayed healing, bone loss and peri-implantitis.

These phenomenom are inadvisable around implant as they reduce the long-term success of the implant project.<sup>(1)</sup>.

- ▶ With Expasyl™ Exact, the preparation limits and emergence profile are fully accessible. By recording these 2 parameters, you obtain a perfectly adapted prosthesis in terms of mechanic and aesthetic expectations.



«[...] the Expasyl™ system, making it possible to deflect the gums without breaking the epithelial attachment and to create an impression for a prosthesis that meets the state of the art.»

Dr. Jacques CHARON,  
France, Periodontist

\* Expasyl™ Exact: Same paste as Expasyl™

(1) New Zealand dentists' use of gingival retraction techniques for fixed prosthodontics and implants" - Azza Al-Ani. Auckland District Health Board, Greenlane Clinical Centre, Auckland, New Zealand. Vincent Bennani, Nicholas P. Chandler, Karl M. Lyons, W. Murray Thomson. School of Dentistry, University of Otago Dunedin, New Zealand - New Zealand Dental Journal, 2010 Sep;106(3):92-96

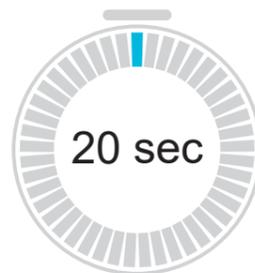
**Fast, simple  
and cost  
affordable  
protocol**



**3 minutes Protocol\***  
**Time saving**  
**Money savings**

\* contact time: 2 min

- ▶ Placement: **easily inserts into the sulcus** in 20 seconds. No cannulas required
- ▶ Contact time: **works in 1-2 minutes max**
- ▶ Removal: **easily removed** with a gentle air-water spray



- ▶ Expasyl™ Exact capsule avoids wasted material
- ▶ No need for additional anesthesia or hemostasis
- ▶ **Time savings:** up to 3 minutes per tooth (especially helpful when preparing multiple teeth)
- ▶ Impression made at the same clinical time



Rinse and gently dry the preparation on a healthy periodontium



Position the end of the cannula  
Slowly extrude



to create a closed space.  
the material.



Inject the paste in the sulcus all around the tooth to ensure the best possible impression quality



Let Expasyl™ Exact act for 1-2 min max. The gum tissue whitens, indicating the compression exerted by the material.



Clear the paste with a gentle air water spray with simultaneous surgical aspiration



The sulcus is opened, and the site is completely dry.  
No injury. No pain. No bleeding.  
The impression can be taken.

# EXPASYL™ EXACT



## Expasyll™ Exact paste\* for all clinical cases

\* Expasyll™ Exact: Same paste as Expasyll™



Peripheral preparation of the treated tooth and place of the temporary tooth. Prosthetic limit slightly placed sub-gingival to respect the emergence profile and the esthetic insertion of the prosthesis in the smile. Temporary tooth placed for 15 days.



Removal of temporary tooth, rinsing tooth preparation and placement of Expasyll™ Exact to recover emergence profile. Needed an exsanguinated impression for the digital impression technique.



Screenshot of Expasyll™ Exact during the digital impression phase. The advantage is to let Expasyll™ Exact act during the pre-op impression (max. 2min). Once Expasyll™ Exact has been rinsed off, redo the impression exclusively of the tooth concerned. Note: perfect reading of the margins and the deflection of the marginal gingiva



Photo 1 of the selected zirconia monoblock crown before it was placed. Photo 2 of the crown placed and cemented for aesthetic prosthesis.

Dr Boulic, France



Tooth prepared before applying Expasyll™ Exact.



Expasyll™ Exact placed on the concerned tooth. Product placement for 2 minutes to obtain a clear and exact sulcular opening for the rest of the procedure.



After 2 minutes, Expasyll™ Exact was easily rinsed off with a air/water syringe, leading to a distinct sulcular opening. Digital impression (with intra-oral scanner) of the tooth before placing the crown.



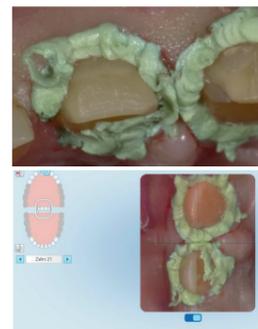
To finish, placement of a Full Zirconia crown with a conventional glass ionomer sealant.

Dr Gerdolle, Switzerland



Putting in place Expasyll™ Exact on teeth number 11 and 21 to have a clear sulcular opening.

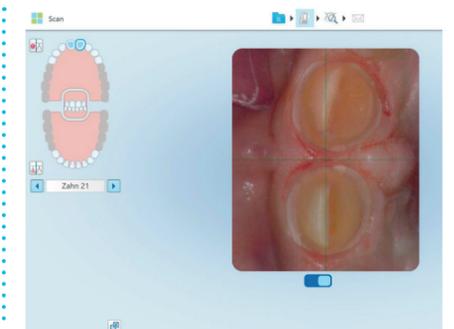
*"Insertion of the paste into the sulcus as vertical as possible, with an insertion speed of 2mm/second"*



Expasyll™ Exact in place on teeth. Placement of the product for 2 minutes to obtain a clean and precise sulcular opening for the rest of the procedure. Digital impression taken during Expasyll™ Exact's placement.



After 2 minutes, Expasyll™ Exact was rinsed off easily with a air/water syringe, leaving a distinct sulcular opening. We can distinguish the "white" part of the gingiva, which represents the dried sulcus.



*"Almost 10 years ago, we completely digitalized the impression process in our dental practice." Dr. Ingo Baresel is an expert in taking digital impressions and produces a high quality impression with Expasyll™ Exact.*

Dr Baresel, Germany



References	Products
<b>EXPASYL™ EXACT (0.3g CAPSULES)</b>	
Ref. 261 011	Expasyl™ Exact x 50
Ref. 261 010	Expasyl™ Exact x 20
Ref. 260 920	Applicator
<b>EXPASYL™ - KIT &amp; APPLICATOR (1g CAPSULES)</b>	
Ref. 294 100	Minikit: 1 Applicator + 6 Capsules + 12 Straight Cannulas (bendable)
Ref. 260 900	Applicator x1
<b>EXPASYL™ - CAPSULES &amp; CANNULAS (1g CAPSULES)</b>	
Ref. 261 030	Capsules x 20
Ref. 294 010	Capsules x 6
Ref. 261 001	Strawberry Capsules x 20
Ref. 261 005	Straight Cannulas (bendable) x 100
Ref. 261 040	Straight Cannulas (bendable) x 40
Ref. 261 015	Pre-bent Cannulas x 100
Ref. 261 045	Pre-bent Cannulas x 40

Not available in all countries. Please contact your dealer.

Class I medical device – CE - For professional dental use only.  
 Read the instructions in the notice carefully before use.  
 All information that is essential to ensure correct use of these devices is included in the summary of the product characteristics available on the laboratory's website.  
 Manufacturer: Produits Dentaires Pierre Rolland - France.  
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