

**3M ESPE**

The Chairside System  
for Durable Repairs



CoJet<sup>TM</sup>

*Intraoral Adhesive Repair System*

- Intraoral repairs
- Extraoral pre-treatment of indirect restorations



Buccal view



Preparation of surface



CoJet pre-treatment



Silanisation of ESPE Sil



Application of Sinfony Opaquer



Repair with Filtek Z250



Finished restoration

# The Breakthrough in Intraoral Repairs

## 3M™ ESPE™ CoJet™ Intraoral Repair System

is the leading product offering reliable performance for chairside repairs of defective indirect restorations. CoJet is the only marketed repair system showing similar high bond strength to metal, ceramic and composite surfaces.

**The CoJet Intraoral Adhesive Repair System consists of five components:**

- CoJet Prep, the intraoral microblasting unit.
- CoJet Sand, the coating medium for cold silicatisation of the restoration surface.
- ESPE Sil, the silane coupling agent (for silicated surfaces).
- Sinfony™ Opaquer for masking exposed metal surfaces.\*
- Visio™ Bond, the bonding agent for use with the restorative or veneering composite of your choice.

## Connecting the Microblaster

**The hand-held microblaster can be connected to any dental unit\*\*, compressed air supply through the dental unit**

**Recommended devices for using Cojet Sand in the surgery:**

CoJet Prep hand-held microblaster or alternatively:

Dento-Prep™ (Rönvig), Microetcher™ (Danville), Accuprep™ (Bisco), Other injector microblasters

**Possibilities of connection - an overview:**

- Onto the turbine coupling by using a connector kit, e.g. Connector K (KaVo), Connector S (Sirona).
- Onto the turbine tube by using the universal coupling “Midwest Connector” fitting to most of the dental units.
- Directly onto the compressed air pipe by using an installation kit for air supply tubes.



**A connector fitting to your dental unit has to be ordered separately.**

\* Sinfony Opaquer has to be cured with halogen light curing units. LED light curing units are incompatible.

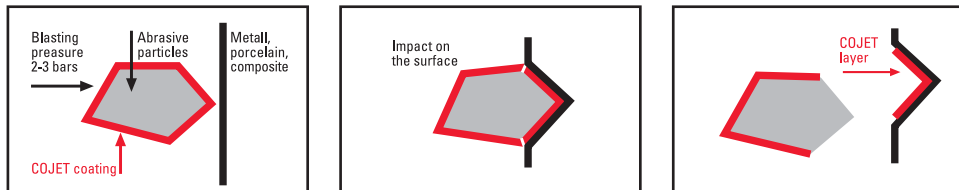
\*\* Connecting the hand-held microblaster to your unit: According to the brand of your dental unit an appropriate connector is required. Please order the connector kit through your dental distributor. It may be necessary to engage a technician.

# Convincing Results

## How works CoJet Intraoral Adhesive Repair System?

- Using the CoJet Prep hand-held microblaster, the specially developed Cojet Sand is blasted directly onto the metal, porcelain or composite surface requiring repair. During this process, the impact energy produces a ceramic-like coating on the treated surface (tribochemistry).

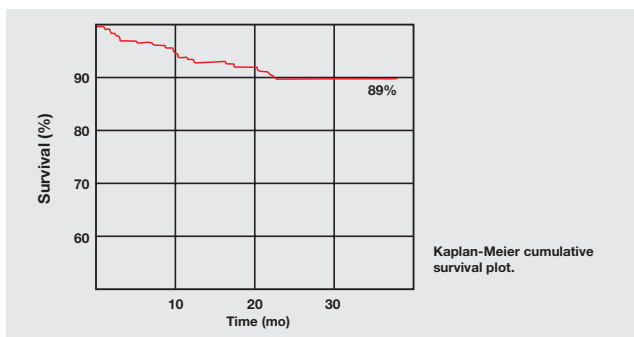
### Tribochemical coating with CoJet Sand



- Subsequent silanisation with ESPE Sil and application of Visio Bond produces a strong (chemical) and microgap-free bond between the treated surface and the restorative material.
- For optimum aesthetics, exposed metal surfaces are masked using Sinfony Opaquer.
- A restorative or veneering composite of your choice can then be applied, cured and finished.

## Excellent performance confirmed by clinical studies

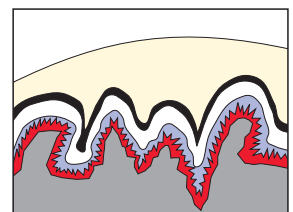
Due to its unique tribochemical coating CoJet shows excellent bond strength values to metal, ceramic and composite. And a clinical study revealed that intraoral silane coating and silicatisation with the CoJet System is a quick and promising treatment option with a high success rate (89%) up to 3 years.



Source: M. Ozcan, W. Niedermeier, Int. J. Prostodont. 2002 (15).

- CoJet™ is a safe and reliable alternative for conventional pre-treatment solutions for glass ceramics like hydrofluoric acid.
- High bond strength to metal, ceramic and composite.

Layer structure showing a metal framework treated with the CoJet Intraoral Adhesive Repair System



- Composite
- Visio Bond
- Sinfony Opaquer
- 3M ESPÉ Sil
- CoJet layer
- Metal

# CoJet™ – The Adhesive Repair System



CoJet™ Set

## Ordering Information:

<b>68 421</b>	<b>Cojet Introductory Kit</b>
	40 g CoJet Sand 8 ml 3M ESPE Sil 2,5 ml Visio™ Bond 5 g Sinfony™ Opaquer Powder shade A3, 8 ml Sinfony Opaquer Liquid
<b>68 420</b>	<b>CoJet System Set</b>
	CoJet Introductory Kit plus hand-held micro-blasting unit CoJet Prep

Single packs: All components of the CoJet System are available as Single Packs.

**3M ESPE**

3M ESPE AG · ESPE Platz  
82229 Seefeld · Germany  
E-Mail: [info3mespe@mmm.com](mailto:info3mespe@mmm.com)  
Internet: <http://www.3mespe.com>

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