

# Initial Hydrophilicity. Precise impressions, even in extreme situations.

## Panasil® initial contact



We have all encountered these problems before: Despite meticulous preparation, correct delineation of the preparation margins and thorough drying, sulcus fluids, saliva or gingival bleeding can lead to an inaccurate detail reproduction, blisters or creases in the impression.



Thanks to its high initial hydrophilicity, the A-silicone **Panasil® initial contact** will convince you, especially in a moist environment, from the very first second. After the usual sulcus preparation, **Panasil® initial contact's** unique initial hydrophilicity enables it to flow directly onto the moist tooth surface. This unique initial hydrophilicity is retained throughout the entire working time. The result: impressions with utmost detail accuracy of the preparation, even in extreme (subgingival) situations.

**Panasil® initial contact** seamlessly integrates into the **Panasil®** system of preliminary impression materials. Test **Panasil® initial contact** yourself – you will notice the difference.

## Panasil® initial contact

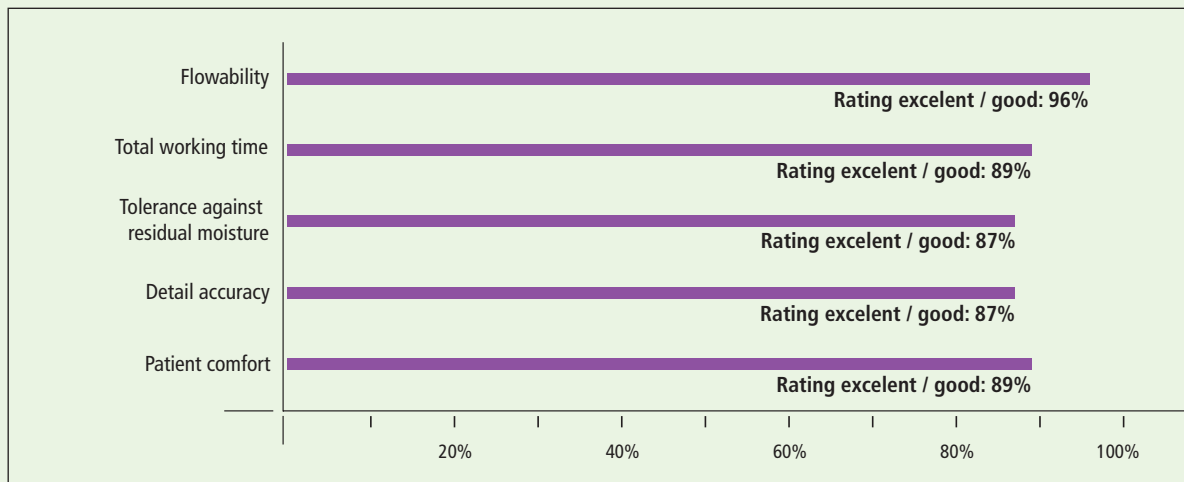
**Panasil® initial contact** will surely convince you, thanks to its unique initial hydrophilicity, even in extreme situations. You can now be assured of an exact impression of the preparation edges, even in situations with a deep sulcus or an especially moist environment. A short intra-oral setting time, outstanding flowing properties and high thixotropy round off the product profile.

**Panasil® initial contact** is available in the viscosities X-light (very low viscosity) and light (low viscosity), can be ideally combined with the preliminary impression materials **Panasil® binetics putty**, **Panasil® tray** and the classic **Panasil® putty** out of the tub.



**Panasil® initial contact** is available in X-light and light versions

## Proven in practice



A three-month Europe-wide dentist study confirmed it: **Panasil® initial contact** was equally convincing in daily practice due to its initial hydrophilicity, and makes precise impression taking in a damp environment far easier. In the study, more than 250 dentists and their practice teams as well as 10 German universities were asked about their experience with the new elastomeric impression material from Kettenbach. Users confirmed that **Panasil® initial contact** achieved absolutely top values in all important areas.

# Convincingly hydrophilic

In a recent study<sup>1)</sup>, A-silicones and polyethers were investigated with respect to their wetting properties using video-assisted and high-resolution contact angle measurements during the working time.

On the basis of the parameters initial hydrophilicity (quantified via the initial contact angle) and hydrophilic kinetics (spreading capacity of the water drop), both initially hydrophilic and highly hydrophobic A-silicones were observed.

In order to improve the precision of the impression, even on moist surfaces and in the sulcus area, the time of initial contact of the impression material with the surface of which an impression is to be made and the speed with which the liquid spreads, play a decisive role. Furthermore, it is important for

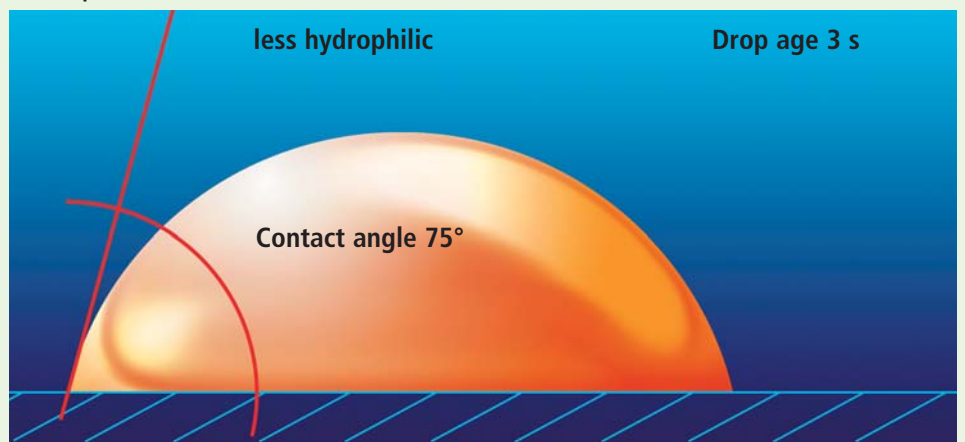
the initial hydrophilicity to be retained, not only at the beginning but throughout the entire working time of the material.

The tested materials displayed a continuously decreasing hydrophilicity during the working time, while the initial hydrophilicity of the A-silicone **Panasil® initial contact** remained consistent throughout the entire working time.

**Panasil® initial contact** clearly sets itself apart from the competition in all of the described aspects. **The data speaks for itself.**

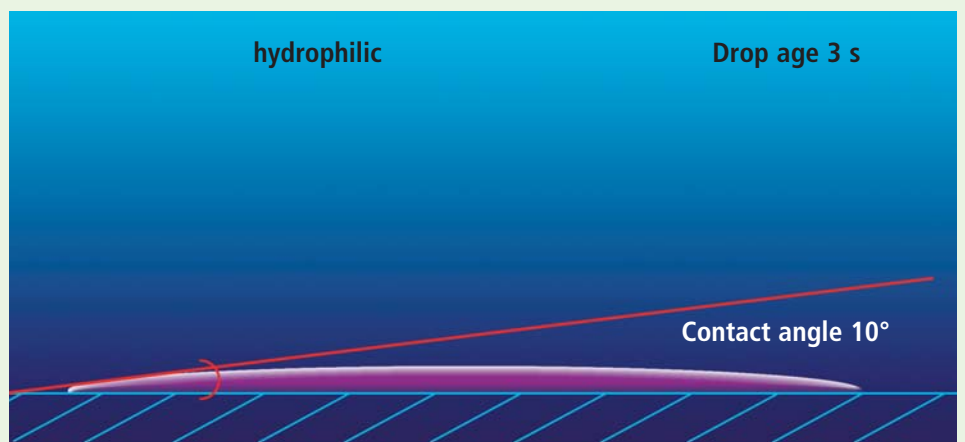
Contact angle measurement is a parameter to determine the hydrophilicity of a material. A water drop is applied to the surface of the impression material using a syringe, and observed parallel to its surface area.

Rival product A-silicone



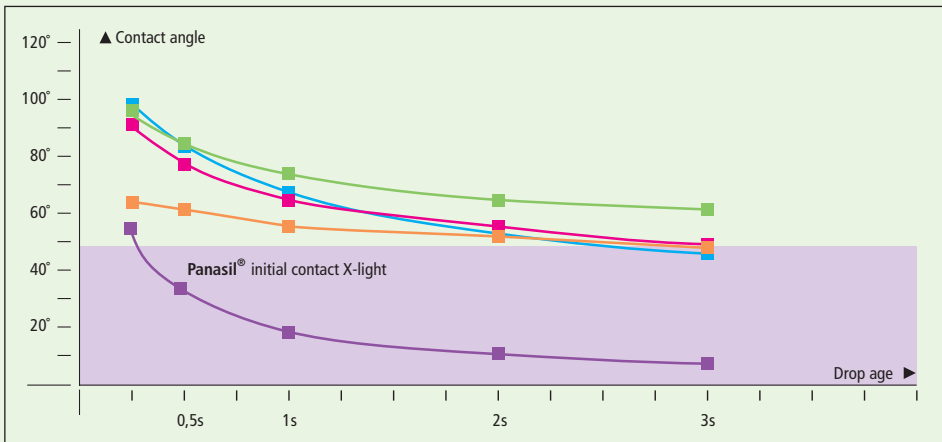
The flatter and the faster the angle of the applied water drop spreads across the material, the more distinct the initial hydrophilicity.

Panasil® initial contact



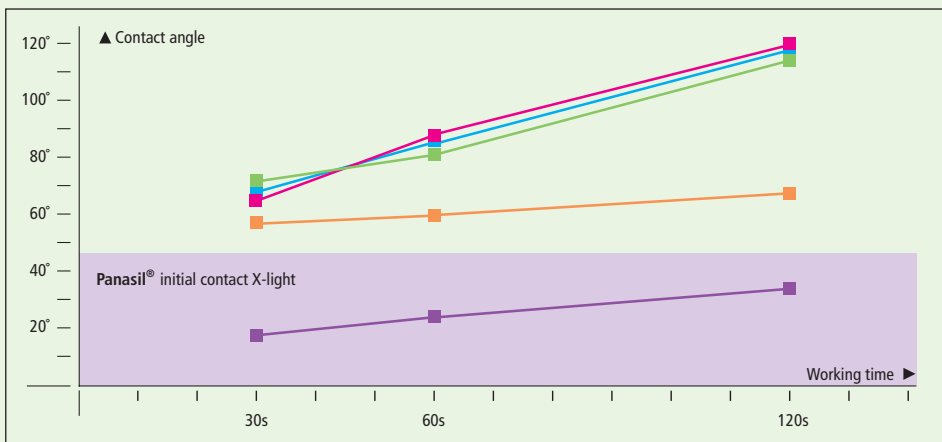
<sup>1)</sup>Comparative test carried out by Kettenbach, contact angle measured using the measuring device DSA 100, from Krüss, 2006. Evaluated using the circle-fit method.

**Comparison of spreading behaviour 30 sec. after mixing starts within the first 3 sec after applying a water drop at 80% humidity<sup>1)</sup>**



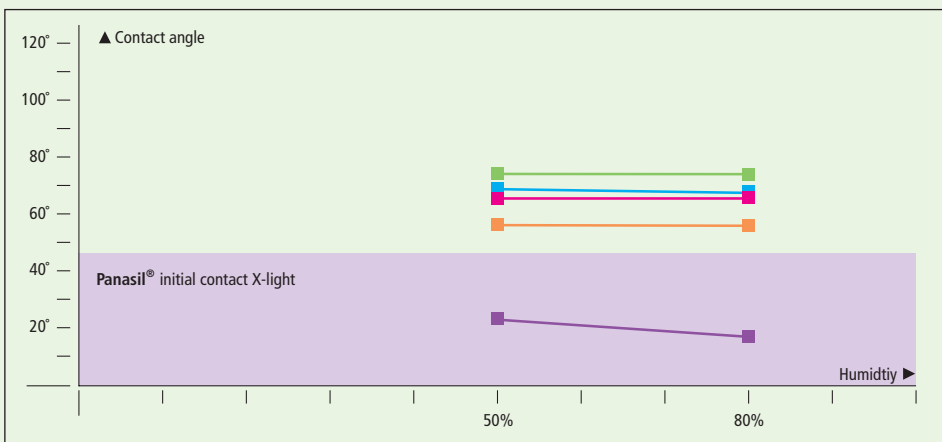
**Panasil® initial contact** displays an extremely fast spreading of the water drop and, compared to the competition, achieves the lowest contact angle.

**Comparison of the contact angle during the working time of 30 sec. – 120 sec., with a drop age of 1s at 80% humidity<sup>1)</sup>**



**Panasil® initial contact** has a very low initial contact angle throughout the entire working time.

**Comparison of the contact angle 30 sec. after mixing starts, with a drop age of 1s and varying humidity<sup>1)</sup>**



**Panasil® initial contact** is the only material where the already low contact angle continues to decrease with increasing humidity.

■ Panasil® initial contact X-light    ■ Panasil® contact plus    ■ Affinis™ light    ■ Aquasil™ Ultra XLV    ■ Impregum™ Garant™ L DuoSoft™

<sup>1)</sup> Comparative test carried out by Kettenbach, contact angle measured using the measuring device DSA 100, from Krüss, 2006. Evaluated using the circle-fit method.

# Panasil® initial contact with the Panasil® family of preliminary impression materials

## Panasil® binetics putty the first real putty in a foil bag

**Panasil® binetics putty** is the first real addition-curing putty in a foil bag in two different versions:

As "Putty fast" for taking two-step putty wash impressions and "Putty soft" for the "sandwich" technique.

- Advantages:**
- No more manual kneading necessary
  - Less material consumption
  - Precise dosage
  - Convenient Plug & Press® system



## Panasil® tray

No questions asked. It's steadfast.

**Panasil® tray soft**, the heavy-bodied, high-viscosity preliminary impression material provides optimum conditions for the one-step heavy/light impression technique. As a further product option,

**Panasil® tray fast** can be used for two-step impression techniques.

- Advantages:**
- Highly thixotropic
  - Good elastic properties
  - Convenient Plug & Press® system
  - User and patient friendly setting characteristics



## Panasil® putty

Precision preliminary impression material available as "normal setting", "fast set" or "soft"

- Advantages:**
- Supple character
  - Short intra oral setting time of only 2 minutes
  - Good elastic properties
  - Various setting times and hardnesses



For orders please contact your local dealer organization!

Try it  
now!

## Panasil® initial contact X-light

**Normal pack** Panasil® initial contact X-light  
REF 13401, 2 x 50 ml + 12 mixing tips

**Economy pack** Panasil® initial contact X-light  
REF 13403, 12 x 50 ml + 72 mixing tips

Panasil® initial contact can of course be combined with all the carrier materials in the Panasil®-family.

## Panasil® initial contact light

**Normal pack** Panasil® initial contact light  
REF 13411, 2 x 50 ml + 12 mixing tips

**Economy pack** Panasil® initial contact light  
REF 13413, 12 x 50 ml + 72 mixing tips



## Panasil® binetics putty

**Starter set** Panasil® initial contact X-light + Panasil® binetics putty fast  
REF 28186

**Normal pack** Panasil® binetics putty fast  
REF 11661, 2 x 300 ml Base + 2 x 62 ml Catalyst

**Economy pack** Panasil® binetics putty fast  
REF 11663, 6 x 300 ml Base + 6 x 62 ml Catalyst

**Starter set** Panasil® initial contact light + Panasil® binetics putty soft  
REF 28185

**Normal pack** Panasil® binetics putty soft  
REF 11671, 2 x 300 ml Base + 2 x 62 ml Catalyst

**Economy pack** Panasil® binetics putty soft  
REF 11673, 6 x 300 ml Base + 6 x 62 ml Catalyst

Starter set pack contents: 50 ml Panasil® initial contact + 6 mixing tips, 300 ml base paste, 62 ml catalyst, 1 cartridge body, 10 dynamic mixing tips

## Panasil® tray

**Starter set** Panasil® initial contact X-light + Panasil® tray fast  
REF 28184

**Normal pack** Panasil® tray fast  
REF 11621, 2 x 300 ml Base + 2 x 62 ml Catalyst

**Economy pack** Panasil® tray fast  
REF 11623, 6 x 300 ml Base + 6 x 62 ml Catalyst

**Starter set** Panasil® initial contact light + Panasil® tray soft  
REF 28183

**Normal pack** Panasil® tray soft  
REF 11641, 2 x 300 ml Base + 2 x 62 ml Catalyst

**Economy pack** Panasil® tray soft  
REF 11643, 6 x 300 ml Base + 6 x 62 ml Catalyst



## Panasil® putty

**Normal pack** Panasil® putty  
REF 11101, normal setting

**Normal pack** Panasil® putty soft  
REF 11121, with low final hardness

**Normal pack** Panasil® putty fast set  
REF 11141, fast setting

Pack content: 900 ml, 450 ml each base and hardener paste.

**Economy pack** Panasil® putty  
REF 11103, normal setting

**Economy pack** Panasil® putty soft  
REF 11123, with low final hardness

**Economy pack** Panasil® putty fast set  
REF 11143, fast setting

Pack contents: 4 x 900 ml, 4 x 450 ml each base and hardener paste.



For further information please contact your local dealer or visit us at [www.panasil-initial-contact.com](http://www.panasil-initial-contact.com)

Not all devices are available in all markets. If you have questions, please contact our distributors.

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