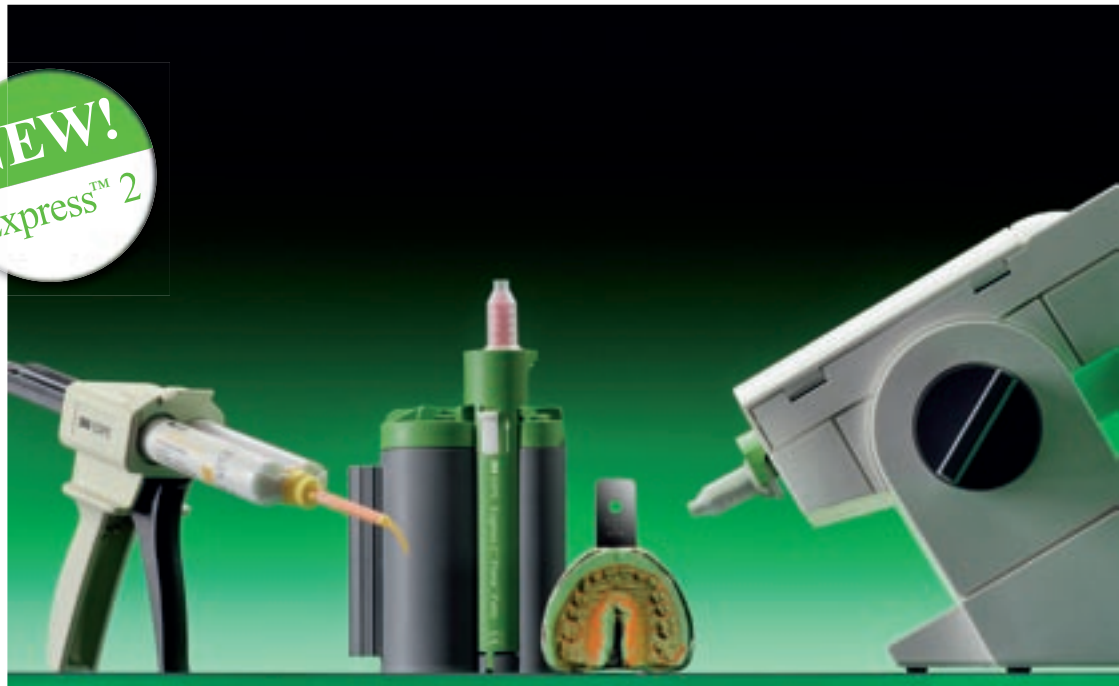
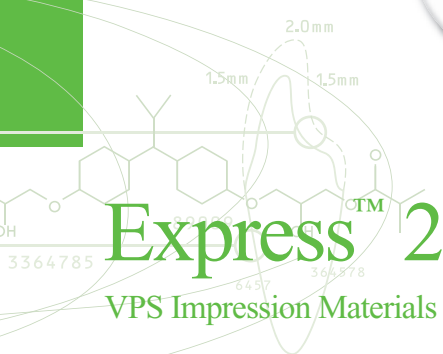


Express™ 2 Penta™ Putty VPS Impression Material



- Same consistency and insertion pressure as found in hand-mix putties
- New thermally active putty technology accelerates setting of wash material without reducing working time in the 1-step technique
- High detail reproduction
- Reproducible working and setting time, with a constant mix ratio between catalyst and base

Get the feel of a putty, plus the convenience of automatic mixing

Express™ 2 Penta™ Putty VPS Impression Material combines classical putty benefits, valued by many dentists – like high insertion pressure and malleability – with the advantages of automatic mixing in the Pentamix™ 2 Mixing Unit, thus offering homogeneous and void-free consistent mixing quality as well as easy and clean handling. Express 2 Penta Putty VPS Impression Material enables exact dispensing without the mess of hand-mixing and inhibition problems associated with contact between putty and gloves.

Express 2 Penta Putty – Easy to use right out of the Pentamix 2 Mixing Unit!



Thermally active putty saves time while delivering excellent results

All impression materials get warmer – and therefore set faster – when placed at mouth temperature. Express 2 Penta Putty material exits the Pentamix 2 Mixing Unit at approximately mouth temperature. Because the Putty is already warm when it is seated in the mouth, it helps to warm up the wash material, accelerating setting time without reducing the intraoral long working time of a regular setting wash material.

Real Putty with High Insertion Pressure

Like its predecessor Express™ Penta™ Putty the new Express™ 2 Penta™ Putty offers a true putty viscosity. Internal and external comparative tests have shown that the insertion pressure of Express Penta Putty corresponds to that of typical handmix putties and is much higher than the insertion pressure of heavy body VPS tray materials (internal tests 3M ESPE, external study Prof. Wöstmann, Justus-Liebig-University Giessen, Germany – unpublished data).

When used in combination with new VPS Impression Materials Express™ 2 Light Body Standard or Express™ 2 Ultra-Light Body Quick, Express™ 2 Penta Putty delivers high precision and high performance – plus the advantage of reproducible setting times and reliable mixing that saves time and eliminates waste.

The Ideal Combination for 2-Step Technique

Offering high final rigidity and very good carving properties, Express 2 Penta Putty VPS Impression Material is a convincing choice for the 2-step putty-wash technique in combination with the wash material Express™ 2 Ultra-Light Body Quick VPS Impression Material. Due to its ultra-light consistency and very high structural viscosity, this wash material generates extremely thin layers when applied under pressure.

Long Working Time and Fast Setting for 1-Step Technique

For the 1-step technique the somewhat thicker and less structural viscous wash material Express 2 Light Body Standard is recommended. For this impression technique Express 2 Penta Putty offers a unique benefit: It accelerates the intra-oral setting time of any VPS wash material. The putty already has mouth temperature when dispensed from the Pentamix 2 Mixing Unit.

Ordering Information



Express™ 2 Penta™ Putty Introductory Kit

Item No. Product Information

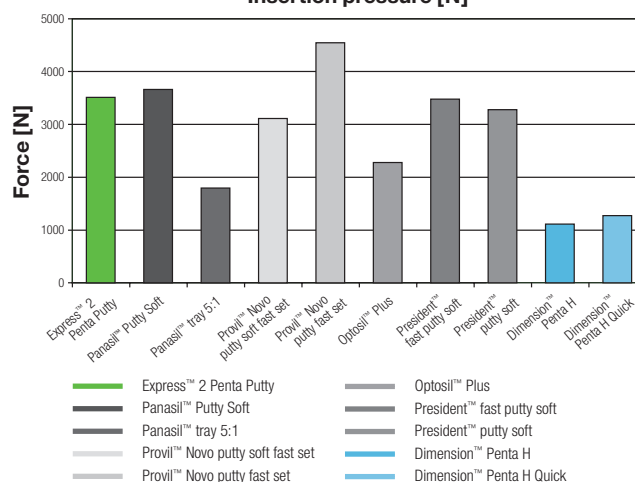
| | |
|--------------|---|
| 36815 | Express™ 2 Penta™ Putty Introductory Kit 1 x base paste at 300 ml, 1 x catalyst at 60 ml, 1 Express 2 Penta Putty cartridge, 10 Penta™ Mixing Tips, 1 Express™ 2 Ultra-Light Body Quick cartridge at 50 ml, 1 Express™ 2 Light Body Standard cartridge at 50 ml, 10 Garant™ Mixing Tips yellow, 10 Garant Intraoral Tips yellow, 1 VPS Tray Adhesive, 1 Technique card, 1 Information for Use |
| 36816 | Express™ 2 Penta™ Putty Refill 2 x base paste at 300 ml, 2 x catalyst at 60 ml, 1 Information for Use |
| 77813 | Express™ 2 Penta™ Putty Refill Cartridge 1 Penta™ cartridge |
| 36813 | Express™ 2 Light Body Standard Refill 4 Express™ 2 Light Body Standard cartridges at 50 ml, 10 Garant™ Mixing Tips yellow, 1 Information for Use |
| 36817 | Express™ 2 Ultra-Light Body Quick Refill 4 Express™ 2 Ultra-Light Body Quick cartridges at 50 ml, 10 Garant™ Mixing Tips yellow, 1 Information for Use |

More Express™ 2 VPS Impression Materials are available. Please ask your 3M ESPE representative for more information.
Products are available for purchase through authorized 3M ESPE Distributors.

3M ESPE











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Insertion pressure [N]



Insertion pressure of various impression materials (heavy bodied materials for comparison, blue columns). Express™ 2 Penta™ Putty VPS Impression Material exhibits an insertion force comparable to typical handmix putties. This also holds for the new Express 2 Penta Putty.

Source: 3M ESPE internal data

| Impression Technique | Color Tray Material | VPS Impression Materials | | | Color Wash Material |
|---|---|---|-----------------|---|---|
| Express™ 2 Penta™ Putty ▶ real putty consistency | | | | | |
| 2-Step Technique |  | Express™ 2 Ultra-Light Body Quick ▶ generates very thin layers | | |  |
| 1-Step Technique | | Express™ 2 Light Body <i>Standard</i> ▶ stays very well at tooth | | |  |
| | | | | | |
| Product | Color | Viscosity | Setting version |   Working Time at 23° C min:sec |   Intra-oral Setting Time min:sec |
| TRAY MATERIALS | | | | | |
| Express™ 2 Penta™ Putty |  | Putty | Regular Set | 1:30 | 3:00 |
| RECOMMENDED WASH MATERIALS | | | | | |
| Express™ 2 Light Body <i>Standard</i> |  | Light | Regular Set | 2:00 | 3:30 |
| Express™ 2 Ultra-Light Body Quick |  | Ultra-Light | Fast Set | 1:30 | 2:30 |

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