



ONE-FLOW

EN Light curing nano flowable composite
BG Леко втвърдяващ се нанотечен композит
RO Compozit nano fluid cu fotopolimerizare



INSTRUCTION FOR USE

EN

DESCRIPTION

ONE-FLOW is a light curing nano flowable, bioinert, radiopaque composite under the Vita* shades. ONE-FLOW is a high aesthetic, highly resistant, superior polishability product with optimal flow characteristics.

COMPOSITION

Dental glass grinded 50-70%, methacrylate mixture 30-40%, silicon dioxide 1-5%, coinitiator <1%, photoinitiator <1%, stabilizer <1%, inhibitor <1%, opacifier <1%, pigment 1%.

ONE-FLOW does not contain medicinal substance, including human blood or plasma derivative; tissues or cells, or their derivatives, of human origin; tissues or cells of animal origin, or their derivatives, as referred to in Regulation (EU) No. 722/2012; substances which are carcinogenic, mutagenic, toxic to reproduction or having endocrine-disrupting properties.

PERFORMANCE CHARACTERISTICS

light curing	20-30s
depth of cure	3.24±0.03 mm
flexural strength	110.2±4.1 MPa
water sorption	17.10±0.20 µg/mm ³
water solubility	0.00±0.00 µg/mm ³
polymerization shrinkage	4.5±0.15 %

INTENDED PURPOSE AND CLINICAL BENEFITS

ONE-FLOW restores/improves aesthetic appearance of restorable tooth; restores/maintains dental function of restorable tooth; protects biological structures of restorable tooth and adjacent tissues.

CLINICAL INDICATIONS

- For restorations of class III, IV and V cavities; root surface caries restorations;
- For sealing pits and fissures;
- For initial placement in class I and II cavities.

CONTRA-INDICATIONS

Patients who have a history of severe allergic or irritation reactions to product or to any of the ingredients.

RESTRICTIONS TO COMBINATIONS

ONE-FLOW should not be used with products containing eugenol as eugenol may disturb polymerization process.

UNDESIRABLE SIDE EFFECTS

In susceptible individuals, ONE-FLOW may cause allergic or irritation reactions (skin, eye, mucosa, respiratory tract irritation).

RESIDUAL RISKS

Risk control measures have been implemented and verified, risk is reduced as far as possible, the overall residual risk is judged to be acceptable.

PATIENT TARGET GROUP

No restrictions known regarding patient population, their age and general health conditions. There may be children, middle aged or elderly patient.

INTENDED PART OF THE BODY OR TYPES OF TISSUES OF BODY FLUIDS

Part of the body – mouth. Tissues or body fluids contacted by the device – tooth, oral mucosa, saliva.

INTENDED USER

ONE-FLOW is developed for professional use in dentistry only. Its user only licensed doctor who has knowledge how to use common dental composites. There is no need for specific training.

STERILITY

ONE-FLOW is delivered non-sterile. There is no need of any preparatory sterilization, cleaning or disinfection, preventive, regular maintenance or calibration to ensure that the device operates properly and safely during its intended lifetime. However, do not use if primary package is damaged.

USE ENVIRONMENT

ONE-FLOW is designed to be used in dental office where ambient temperature is 18-25°C. Dispensed amount of composite is suitable for single use (only for one patient). Do not re-use. Dispensed amount kept not in original package may lead to loss of function.

CONSUMABLE COMPONENTS AND ACCESSORIES

No accessories are supplied with the device. Consumables, such as application tips, are supplied with the device.

INSTRUCTION FOR USE

CAVITY PREPARATION:

1. Prepare cavity as always.
2. Clean the surface with oil-free prophylaxis paste, such as i-FASTE.
3. For deep cavities use calcium hydroxide liner or glass ionomer base lining cement.

ETCHING, BONDING:

1. Apply layer of etch, such as i-GEL^N to surface to be etched. Leave etch in place for 15 seconds (dentine), 30 seconds (enamel). Rinse with water and dry with air. Avoid over drying dentin.
2. Apply a layer of adhesive, such as i-BONDING LC^N immediately onto etched surface, follow manufacturer's instruction for use.

SYRINGE PREPARATION:

1. Remove syringe cap.
2. Promptly and carefully attach the dispensing tip to the syringe.
3. Test flow of materials from tip before using intraorally.

PLACEMENT OF ONE-FLOW:

1. Before bringing the syringe to the mouth, remove the air from the dispensing tip. To remove air from the tip, with the tip pointing upwards, gently push forward the syringe plunger. If the air is still inside the dispensing tip, air bubbles may be removed at the time of injection.
2. Delicate push on plunger and apply layer of material into the cavity. Do not force plunger.
3. Do not apply layers more than 2 mm deep.
4. Light cure for 20-30 seconds (depends on layer depth). Use LED polymerization lamp with light intensity 1200mW/cm² in full mode, not ramp or pulse mode. Some lamps with higher intensity could require less time of polymerization, follow manufacturer's instruction for use. Finish restoration.

WARNINGS

After the desired amount of material extruded, immediately remove application tip and close the syringe cap, so that the material is not unlighted. The material is sensitive to light. Avoid too long manipulation time under intensive lighting. Do not use ONE-FLOW for patients who have a history of severe allergic or irritation reactions to product or to any of the ingredients. ONE-FLOW does not emit radiation and does not cause any electromagnetic interferences.

PRECAUTIONS

It is recommended to use cofferdam during application of the product. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN OR MUCOSA: Wash with plenty of water. If skin/mucosa irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF SWALLOWED: Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Wash hands thoroughly after handling. Use only in a well-ventilated area. It is recommended to wear protective gloves/protective clothing/eye protection/face protection for doctor and patient.

Precautions to be taken in the event of changes in the performance of the device:

If during the use of the product noticed any abnormal product performance characteristics: non-homogenous, non-flowable, uneven consistency, does not cover the tooth surface evenly, product does not harden or composite colour change is observed in a moment of light curing, i.e. the composite does not correspond to the intended shade specified by the manufacturer or/and by-products/phases are released during curing, or sudden acute pain occur on application site, or if any other abnormal behavior of the product noticed while manipulating the device, that is not mentioned above, discontinue to use immediately. Remove the restoration from the tooth cavity with suitable dental instrument do not let the product to be swallowed. Ask patient how she/he is feeling. If patient noticed any undesirable side-effects, immediately call to a local poison center. Collect all available remaining supplies, do not use them again and keep them out of reach in a safe place until further notice. Contact the manufacturer immediately and report of any noticed changes in the performance of the product.

SHELF-LIFE

Shelf-life of ONE-FLOW is 4 years from the date of manufacture. Do not use after the expiry date. The batch number should be quoted in all correspondence. See packaging for batch and expiry date.

STORAGE

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children!

DISPOSAL

Dispose of contents/container to as required by national regulatory requirements.

VIGILANCE

If any serious incident that has occurred in relation to the device report to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

SUMMARY OF SAFETY AND CLINICAL PERFORMANCE

ONE-FLOW is safe and performs as intended if it is used in accordance to manufacturer's instruction for use. Summary of safety and clinical performance is available through manufacturer's website www.i-dental.lt/sscp until European Database on Medical Devices (EUDAMED) comes online.

MANUFACTURERS RESPONSIBILITY

Our products have been developed for professional use in dentistry. As the application of our products is beyond our control, the user is fully responsible for the application. Of course, we guarantee the quality of our products in accordance with the applied standards.

VALIDITY

Upon publication of this instruction for use, all previous versions are superseded.

PACKAGING

REF DRMIFTA1	A1 2g syringe, 3 tips, instruction for use
REF DRMIFTA2	A2 2g syringe, 3 tips, instruction for use
REF DRMIFTA3	A3 2g syringe, 3 tips, instruction for use
REF DRMIFTA3.5	A3.5 2g syringe, 3 tips, instruction for use
REF DRMIFTB2	B2 2g syringe, 3 tips, instruction for use

* Registered trademark of the Vita Zahnfabrik H.Rauter GmbH & Co. KG, Bad Sackingen, Germany.

ИНСТРУКЦИЯ ЗА УПОТРЕБА

BG

ОПИСАНИЕ

ONE-FLOW е леко втвърдяващ се нано течаш, биоинерт, радиопрозрачен композит под сенките Vita *, ONE-FLOW е високо естетичен, силно устойчив, превъзходен продукт за полиране с оптимални характеристики на потока.

СЪСТАВ

Зъбно стъкло, смилано 50-70%, метакрилатна смес 30-40%, силициев диоксид 1-5%, съвпадение <1%, фотонициатор <1%, стабилизатор <1%, инхибитор <1%, матово покритие <1%, пигмент 1%.



Distributor/ Дистрибутор /Distribuidor



i-dental®

Medicinos Linija UAB
Aviacijos str. 28
Siauliai LT-77103
Lithuania
Tel.: +370 41 553 553
info@i-dental.lt, www.i-dental.lt



Dr. Mayer

dentstore SRL: Tepes voda 89,
sect. 2, Bucuresti, Romania

Last revised: 2023-06 / Rev.1