

ENA HRi[®]

Flow HF

Flow HF Dentine is a fluorescent flowable, micro hybrid, light-curing, radiopaque composite (EN24040/ISO 4049) to be used as liner and for adhesive luting, available in the following shades:

UD0 - UD0,5 - UD1 (A1*) UD2 (A2*) - UD3 (A3*) – UD3,5 (A3,5*) - UD4 (A4*) - UD5 (IR5) - UD6 (IR6)

^{1*} Colours of Vita[®] shade guide. Vita[®] is a registered trademark of Vita Zahnfabrik H. Rauter mbH & Co. KG, Bad Säckingen - D

Composition: MONOMER MATRIX: Diurethandimethacrylate; 1,4 - Butandioldimethacrylate. TOTAL CONTENT OF FILLERS: 77 % weight; glass filler: mean particle size 4,3 µm and 0.7 µm; highly dispersed silicone dioxide: mean particle size 0,04 µm

Indications: ENA HRi Flow HF is used as liner in cavities of composite restorations, where a low viscosity and high elasticity are required, and for adhesive luting of ceramic and composite laminated veneer, inlay, onlay, jacket crown, crown and bridge.

Contra-indications: Uncured resin could cause skin allergy: User should use gloves. In case of known allergy to some of the components do not use it.

Side effects: In deep cavities we suggest to use a liner in order to avoid pulpal reactions.

Materials to be avoided: Materials containing phenolics (like eugenol) could inhibit composite curing. Avoid the use of these materials as liners.

DOSAGE AND DIRECTIONS FOR USE

Preparation: Clean with fluoride-free prophylaxis paste.

Choose colours with Vita[®] shade guide or with ENA HRI composite shade guide, and fill in the colour chart.

Preparation: for anterior teeth, use a conservative preparation with bevel, which allows a good enamel etching (for posterior do not make any bevel).

We suggest using a rubber dam.

In case of interproximal cavities, use transparent matrix.

Etching Follow your normal technique. We suggest 35%-38% phosphoric acid (Ena Etch) for 35 seconds for enamel, 15 seconds for vital dentine and 2 min. for non-vital dentine. Wash and dry the etched surface with oil-free air; etched enamel looks white calcareous. Etched surfaces should not be contaminated before the application of bonding material (we recommend Ena Bond and Rock Bond, but ENA HRi works perfectly with your bonding system of choice). In case of contamination with saliva, wash, dry and etch again (avoid dehydrating the dentine).

Bonding

Apply a thin coat of bonding material on etched surfaces of dentine and enamel, pulling it down carefully on the margins, air blow all the solvent from the surface before curing: cure for 40 sec. with Translux CL or Nou-Lite halogen light curing units (using Ena Bond apply a second coat, air blow and cure again). Be careful not to contaminate the oxygen inhibition layer left after curing to assure a strong chemical bond to the composite.

Application of dentine Flow HF

Take ENA HRi Flow HF out from syringes using the application needles and apply it as liner in the cavity with a brush (ENA M brush) before the application of the microhybrid bodies.

In case the Flow is used as a liner for Inlays, apply it before taking the impression. Cure layers of 1-1,5 mm (no more than 2 mm) for 40 seconds, from all sides of the build up; keep the light-curing tip as close as possible to the restoration.

Luting

Remove the temporary appliance and clean the cavity. Try-in the appliance carefully and proceed with eventual corrections. Post-cure in an oven like LAMPADAPLUST for 9 min. Apply the rubber dam. Clean the surface of the preparation with alcohol and sandblast it. Etch the cavity and apply two coat of bonding, Ena Bond, without curing it. Sandblast the internal part of the composite appliance and clean it with alcohol; apply the bonding without curing it. Apply a small amount of ENA HRi Flow HF in the internal side of the appliance to be luted, position it on the tooth. Remove composite excess and cure for at least 80 seconds from each side of the tooth. Check the occlusion, finish and polish with ENA Shiny system, using burs, strips and diamond pastes.

Note: in case of inlay thickness over 2 mm use a dual luting composite ENA CEM HF(see instruction)

USE AND STORAGE

Do not store above 25°C.

Do not use the product after the expiration date (see label on syringe).

Due to hygienic reasons flow application needles should be used only once.

Use the material at room temperature. Medical device, for dental use only: keep away from children.

After use, close container with cap and keep it closed. Avoid direct exposure to sunlight.

If the material is not completely cured, it may discolour, mechanical properties deteriorate and pulpal inflammation can occur.

Note: instructions for Flow syringe. Apply the unidose tip on the syringe after unscrewing the cap. Being composite flowable, when you push the piston you will activate a thrust and the material will start and continue to come out. To stop the flow it is enough to pull the piston back of only 1mm. Careful: avoid pulling piston excessively, otherwise air can come into syringe and air bubbles will enter in the following emissions of material. A minimum opposite movement is enough, the piston will return in position elastically, avoiding air bubbles. To avoid the excessive emission of material we suggest to hold the tips of the syringe direct upwards till next application on the same patient. We also suggest starting pushing the piston in this position, so if there would be air in the syringe, bubbles will come out before the material. At the end of the restoration, remove the unidose tip and place again the cap on the syringe screwing it.



MICERIUM S.p.A.

Via G. Marconi 83 - 16030 - Avegno (GE) Italy

Tel. (+39)0185-7887880 Telefax: (+39)0185-7887970

http://www.micerium.it e-mail: hfo@micerium.it