

INSTRUCTIONS FOR USE

DESCRIPTION

QUARTZ SPLINT™ is made of quartz fibres and light-cured Bisgma resin matrix. QUARTZ SPLINT is available in different structures: UD for unidirectional (various sizes), WOVEN (various sizes), ROPE or MESH for all directions.

INDICATIONS FOR USE

QUARTZ SPLINT is used for oral splintings, reinforced frames for bridges or for dentures.

QUARTZ SPLINT RESIN is indicated to use with Splintings exclusively in case of insufficient resin wetting. It is NOT an adhesive on enamel or dentin structures.

CONTRAINDICATIONS

Allergic reaction to methacrylic resins.

PRECAUTIONS

Avoid to exposure QUARTZ SPLINT which is a light-cured fibre reinforced material to direct light (dental practice or sun)

Keep the products in the original box.

The use of rubber dam is recommended.

ADVERSE REACTIONS

Potential allergic reactions due to methacrylic resins.

STEP-BY-STEP INSTRUCTIONS: DIRECT SPLINTING

1. Isolate tooth and clean the surface.

2. Select the correct QUARTZ SPLINT WOVEN using the table of indications. Determine the length according to the anatomical situation by using a rope or dental floss.

3. Cut the QUARTZ SPLINT WOVEN by using the special scissors and set it back to the original black box the remaining product. Add QUARTZ SPLINT RESIN if necessary.

4. Etch* and rinse* tooth surfaces.

5. Apply Primer* or Adhesive* to tooth surfaces. Gently air dry. Surface should appear shiny.

6. Apply a thin layer of flowable composite* along tooth surfaces. Do NOT light-cure at this point.

7. Place and adapt the QUARTZ SPLINT WOVEN against the prepared surfaces. Press the splint on the interproximal surfaces. Light-cured*

8. Cover with a thin layer of composite*. Light-cure*.

9. Polish with burs, wheels...Avoid exposure the splint when over polishing.

STEP-BY-STEP INSTRUCTIONS: LABORATORY BRIDGE

1. Prepare the tooth with proper chamfer and take an impression.

2. Select the correct QUARTZ SPLINT UD using the table of indications. Determine the length according to the anatomical situation by using a rope or dental floss.

3. Cut the QUARTZ SPLINT UD by using the special scissors and set it back to the original black box the remaining product. Add QUARTZ SPLINT RESIN if necessary.

4. Fill the impression with a layer of the dual-cured composite selected*. Do NOT light-cure.

5. Place and adapt the QUARTZ SPLINT and press slightly the splint into the composite. Light-cure* if necessary.

6. Cover with another layer of composite and press the impression on the dye. Allow to cure.

7. Remove the bridge and finish light-curing*.

8. Refine and polish the bridge.

9. Follow an appropriated procedure to install the bridge.

STEP-BY-STEP INSTRUCTIONS: REPAIR BROKEN DENTURE

1. Grind down the broken parts properly and stick them with stick wax. Prepare the gypsum pad for removable denture

2. Reduce the thickness and width of denture by grinding and isolate the gypsum pad. Determine the length according to the anatomical situation by using a rope or dental floss.

3. Cut the QUARTZ SPLINT MESH by using the special scissors and set it back to the original black box the remaining product.

4. Bond with denture base resin selected*.

5. Place QUARTZ SPLINT MESH and press slightly. Add QUARTZ SPLINT RESIN if necessary. Light-cure 20s with LED or 40s with Halogen lamp by 1cm² area surface.

6. Cover the cured MESH with denture base resin selected*.

7. Polymerize the denture according to the manufacturer instructions*.

8. Refine and polish the denture.

9. Follow an appropriated procedure to install the repaired denture.

STEP-BY-STEP INSTRUCTIONS: PERIODONTAL SPLINTING OF EXTREMELY MOBILE TEETH

1. Isolate tooth and clean the surface.

2. Select the QUARTZ SPLINT ROPE using the table of

indications. Determine the length according to the anatomical situation by using a rope or dental floss.

3. Cut the QUARTZ SPLINT ROPE by using the special scissors and set it back to the original black box the remaining product. Add QUARTZ SPLINT RESIN if necessary.

4. Clean*, etch* and rinse* tooth surfaces.

5. Apply Primer* or Adhesive* to tooth surfaces. Gently air dry. Surface should appear shiny.

6. Apply a thin layer of flowable composite* along tooth surfaces. Do NOT light-cure at this point.

7. Place and adapt the QUARTZ SPLINT ROPE against the prepared surfaces. Press the splint on the interproximal surfaces. Light-cured*

8. Cover with a thin layer of composite*. Light-cure*.

9. Polish with burs, wheels...Avoid exposure the splint when over polishing

OTHER RECOMMENDATIONS

Do not use the products after the expired date.

SAFETY AND LIABILITY

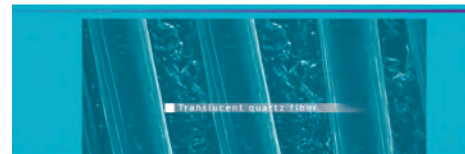
RTD declines any liability or compensation for possible damage due to failure to observe the instructions for use. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in the instructions for use. For Dental use only.

** Refer to the manufacturer's instructions for use.*

Table of Indications

STRUCTURE	DIMENSIONS		INDICATIONS
	Diameter or Width	Length	
UD 2,5 (UniDirectional)	Ø 2.50 mm	80 mm	Permanent dental bridges (reinforcement) <ul style="list-style-type: none"> Laboratory fabrication of inlay box bridges with polyceramic materials Reinforcement for pre-stressed polymerized pontic in laboratory fabrication of bridges
UD 1,5 (UniDirectional)	Ø 1.50 mm	80 mm	
WOVEN 5	Width 5 mm	80 mm	Mobile teeth: Splinting of mobile teeth due to periodontal damage
WOVEN 4	Width 4 mm	80 mm	Mobile teeth: Splinting of mobile teeth due to periodontal damage
WOVEN 2.5	Width 2.5 mm	80 mm	Orthodontia: <ul style="list-style-type: none"> Retention of teeth subsequent to orthodontic therapy Mobile teeth: <ul style="list-style-type: none"> Temporary stabilization of teeth involved in alveolar fractures Splinting of mobile teeth due to periodontal damage Preventing migration of teeth
ROPE 1.5	Ø 1.50 mm	80 mm	Mobile teeth: Oral occlusal splints in extremely mobile teeth
MESH 55	Width 55 mm	80 mm	Repair and reinforce dentures: <ul style="list-style-type: none"> Repair of acrylic dentures Strengthen acrylic prosthesis during initial fabrication

QUARTZ SPLINT™



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GB Instructions for use

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