

# Bosworth Light Liner<sup>®</sup>

## Light Cure Chairside Reline Composite

(FR) Composite de regarnissage dentaire photopolymérisable  
(ES) Compuesto de revestimiento Chairside para curar con luz

### ORDERING INFORMATION

REF 0921463 Standard Kit (Hard)

REF 0921464 Standard Kit (Soft)



8 - 6 g Powder



8 - 4 g Liquid



30 cc Air Barrier



#### LIQUID Danger

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May damage fertility or the unborn child. Suspected of causing cancer. (Applies to Soft Liquid Only)


#### POWDER Danger


Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause cancer. Suspected of damaging fertility or the unborn child.

#### AIR BARRIER Warning

Harmful if swallowed. Causes eye irritation.

#### Refer to product IFU or SDS for additional health, safety and disposal information.

 This product can expose you to 1,4-Dioxane, which is known to the State of California to cause cancer. This product can expose you to chemicals including cadmium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer.

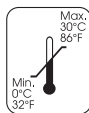
 This product can expose you to chemicals including N,N-dimethyl-p-toluidine, which is known to the State of California to cause cancer, and Di-n-butyl phthalate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



Keystone Industries  
52 West King St.  
Myerstown, PA 17067 USA  
800.333.3131  
[keystoneindustries.com](http://keystoneindustries.com)

Liquid Flashpoint 230°F (110°C)

[keystoneindustries.com/symbolglossary](http://keystoneindustries.com/symbolglossary)



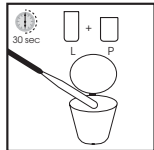
# Bosworth LightLiner Instructions for Use

Bosworth LightLiner is a unique light-cure chairside reline material that is available in a soft or hard non-methyl methacrylate formula.

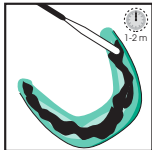
## PREPARATION

Remove denture from patient's mouth and grind 1-2mm from the entire palatal surface with a bur to expose fresh acrylic base. Coat patient's teeth and labial surface with a silicone lubricant such as Bosworth Masque to prevent the composite from sticking.

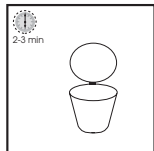
## APPLICATION



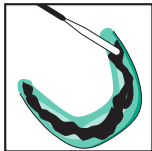
1. Add 1 vial of liquid (4g) to plastic cup of powder (6g). Spatulate for 30 seconds to obtain uniform mix. Mix slowly to reduce bubbles.



2. Coat denture with a thin layer of LightLiner mix to serve as a bonding agent.<sup>1</sup>



3. Set aside remainder of mix until it reaches a honey-like consistency (2-3 minutes).



4. Spatulate mix into denture and place in patient's mouth. Wipe off excess. Hold in patient's mouth until composite reaches a rubber-like consistency (3-5 minutes).

## CURING

### Soft Formula

1. Remove denture from patient's mouth, rinse and dry.
2. Place in a light cure unit with a 100-watt halogen for 5 minutes.<sup>2</sup>
3. Remove denture and coat with Air Barrier.
4. Cure for an additional 5 minutes.
5. Wash denture to remove Air Barrier coating.
6. Trim and polish as necessary.

### Hard Formula

1. Remove denture from patient's mouth, rinse and dry.
2. Coat denture with Air Barrier.
3. Place in a light cure unit with a 100-watt halogen for 5 minutes.<sup>2</sup>
4. Wash denture to remove Air Barrier coating.
5. Trim and polish as necessary.

## NOTES FOR USING LIGHTLINER

1. If air bubbles surface, puncture immediately with a spatula to eliminate any porosity.
2. Times listed above are applicable only if curing with a 100 watt oven light. If curing with a 250 watt oven light, time will be approximately 1 1/2 minutes. May be cured with a hand-held unit with a wavelength range greater than 450 nm (approximately 10-15 minutes). A more powerful light source will reduce the time of cure and a less powerful light source will increase the time of cure.

CAUTION: Certain individuals may be sensitive to products containing acrylic.

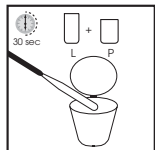
## Bosworth LightLiner istruzioni per l'uso

Il Bosworth LightLiner è un esclusivo materiale per ribasatura polimerizzabile per applicazioni Chairside, disponibile in formula morbida o dura esente da metilacrilato.

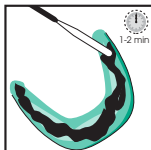
### PREPARAZIONE

Rimuovere la protesi dentaria dal cavo orale del paziente e molare 1-2 mm dall'intera superficie palatale con una fresa per esporre base acrilica nuova. Ricoprire la superficie dentaria e labiale del paziente con lubrificante silconico quale maschera Bosworth per evitare che il composito si attacchi.

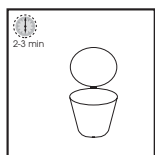
### APPLICAZIONE



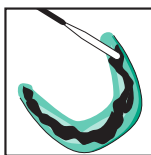
1. Aggiungere un flacone di liquido (4 g) ad un bicchiere di plastica contenente (6 g di) polvere. Mescolare con la spatola per 30 secondi per ottenere una miscela uniforme. Miscelare lentamente per ridurre le bolle.



2. Rivestire la protesi con un sottile strato di miscela di LightLiner che serve come agente adesivo.<sup>1</sup>



3. Mettere da una parte il resto della miscela finché non raggiunga una consistenza simile a quella del miele (2-3 minuti).



4. Spalmare la miscela sulla protesi e collocare nel cavo orale del paziente. Eliminare l'eccesso. Tenere nel cavo orale del paziente finché il composito non raggiunga la consistenza della gomma (3-5 minuti).

### POLIMERIZZAZIONE

#### Formula morbida

1. Rimuovere la protesi dal cavo orale del paziente, risciacquare e asciugare.
2. Collocare in un'unità di fotopolimerizzazione con una lampada alogena da 100 W per 5 minuti.<sup>2</sup>
3. Rimuovere la protesi e rivestire con barriera d'aria.
4. Polimerizzare per ulteriori 5 minuti.
5. Lavare la protesi dentaria per rimuovere il rivestimento di barriera d'aria.
6. Spuntare e lucidare se necessario.

#### Formula dura

1. Rimuovere la protesi dal cavo orale del paziente, risciacquare e asciugare.
2. Rivestire la protesi con barriera d'aria.
3. Collocare in un'unità di fotopolimerizzazione con una lampada alogena da 100 W per 5 minuti.<sup>2</sup>
4. Lavare la protesi dentaria per rimuovere il rivestimento di barriera d'aria.
5. Spuntare e lucidare se necessario.

### NOTE PER L'USO DEL LIGHTLINER

1. Se emergono delle bolle d'aria, bucarle immediatamente con una spatola per eliminare eventuali porosità.
2. I tempi elencati qui sopra sono validi unicamente se la polimerizzazione avviene con una lampada da 100 W. Se si polimerizza con una lampada di un forno da 250 W, ci vorrà circa 1 minuto e mezzo. È possibile polimerizzare con un'unità manuale ad una lunghezza d'onda di 450 nm (circa 10-15 minuti). Una fonte luminosa più potente reduce il tempo di polimerizzazione e una fonte meno potente lo aumenta.

**ATTENZIONE:** Alcuni soggetti potrebbero essere sensibili ai prodotti a base di sostanze acriliche.

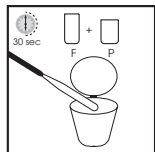
# Bosworth LightLiner Gebrauchsanleitung

Beim Bosworth LightLiner handelt es sich um ein einzigartiges, lichthärtendes Unterfütterungsmaterial, das in weicher oder harter Form ohne Methylmethacrylat erhältlich ist.

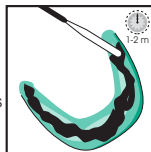
## ZUBEREITUNG

Die Zahnprothese aus dem Mund des Patienten entfernen und 1-2 mm der gesamten Kieferoberfläche abschleifen, um eine frische Acrylbasis freizulegen. Die Zähne und Lippen des Patienten mit einem Silikonschmiermittel wie Bosworth Masque bestreichen, um ein Ankleben des Komposits zu verhindern.

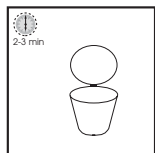
## ANWENDUNG



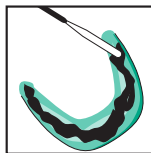
1. 1 Fläschchen Flüssigkeit (4 g) in den Plastikbecher mit (6 g) Pulver hinzugeben. Während 30 Sekunden rühren, um ein gleichmäßiges Gemisch zu erhalten. Langsam mischen, damit sich keine Blasen bilden.



2. Eine Schicht des LightLiner-Gemischs auf die Zahnprothese auftragen, die als Verbindung dienen soll.<sup>1</sup>



3. Den Rest des Gemischs beiseite stellen, bis es eine honigartige Konsistenz erreicht (2-3 Minuten).



4. Das Gemisch in die Zahnprothese streichen und diese in den Mund des Patienten setzen. Überschüssiges Material entfernen. Die Zahnprothese im Mund des Patienten halten, bis das Komposit eine gummiartige Konsistenz erreicht (3-5 Minuten).

## AUSHÄRTEN

### Weiche Form

1. Die Zahnprothese aus dem Mund des Patienten entfernen, spülen und trocknen.
2. Während 5 Minuten in eine Lichthärtungseinheit mit einem 100-Watt Halogen legen.<sup>2</sup>
3. Die Zahnprothese herausnehmen und mit der Luftbarriere bestreichen.
4. Für weitere 5 Minuten aushärten.
5. Die Zahnprothese waschen, um die Luftbarriere zu entfernen.
6. Nach Bedarf richten und polieren.

### Harte Form

1. Die Zahnprothese aus dem Mund des Patienten entfernen, spülen und trocknen.
2. Die Zahnprothese mit der Luftbarriere bestreichen.
3. Während 5 Minuten in eine Lichthärtungseinheit mit einem 100-W Halogen legen.<sup>2</sup>
4. Die Zahnprothese waschen, um die Luftbarriere zu entfernen.
5. Nach Bedarf richten und polieren.

## HINWEISE FÜR DEN UMGANG MIT DEM LIGHTLINER

1. Falls Luftblasen an die Oberfläche treten, sofort mit einem Spachtel punktieren, um jegliche Porosität zu verhindern.
2. Die oben aufgeführten Zeiten gelten nur, wenn die Aushärtung mit einer 100-W-Ofenlampe erfolgt. Bei Verwendung einer 250-W-Ofenlampe dauert die Aushärtung ca. 1,5 Minuten. Kann unter Verwendung eines Handgeräts mit einem Wellenlängenbereich über 450 nm ausgehärtet werden (dauert ca. 10-15 Minuten). Eine kräftigere Lichtquelle verkürzt und eine schwächere Lichtquelle verlängert die Aushärtungszeit.

**ACHTUNG:** Manche Personen können empfindlich gegenüber acrylhaltigen Produkten sein.

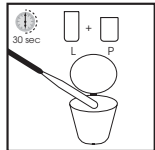
## Bosworth LightLiner mode d'emploi

Bosworth LightLiner est un matériel de regarnissage dentaire unique et photopolymérisable disponible dans une formule de méthacrylate non-méthylrique molle ou dure.

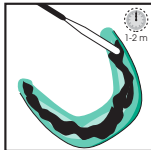
### PREPARATION

Enlever le dentier de la bouche du patient et rectifier de 1 à 2 mm de toute la surface palatale avec une fraise pour exposer une nouvelle base acrylique. Enduire les dents du patient et la surface labiale avec du lubrifiant à base de silicone tel que Bosworth Masque pour empêcher le composite de coller.

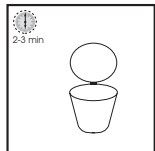
### APPLICATION



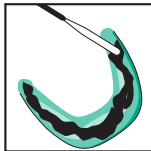
1. Ajouter 1 fiole de liquide (4 g) à la tasse en plastique de (6 g) de poudre. Spatuler pendant 30 secondes pour obtenir un mélange uniforme. Mélanger doucement pour réduire les bulles.



2. Enduire le dentier avec une couche mince du mélange LightLiner qui servira comme agent de liaison.<sup>1</sup>



3. Mettre de côté le reste du mélange jusqu'à ce qu'il atteigne une consistance semblable au miel (2 à 3 minutes).



4. Spatuler le mélange dans le dentier et le mettre dans la bouche du patient. Essuyer l'excédent. Le tenir dans la bouche du patient jusqu'à ce que la consistance du composite soit semblable au caoutchouc (3 à 5 minutes).

### POLYMÉRISATION

#### Formule molle

1. Enlever le dentier de la bouche du patient; le rincer et le sécher.
2. Le mettre dans un appareil de photopolymérisation halogène de 100 watts pendant 5 minutes.<sup>2</sup>
3. Enlever le dentier et l'enduire avec la barrière de bulles.
4. Photopolymériser pendant 5 minutes additionnelles.
5. Laver le dentier pour enlever l'enduit de la barrière de bulles.
6. Couper et polir selon les besoins.

#### Formule dure

1. Enlever le dentier de la bouche du patient; le rincer et le sécher.
2. Enduire le dentier avec la barrière de bulles.
3. Le mettre dans un appareil de photopolymérisation halogène de 100 W pendant 5 minutes.<sup>2</sup>
4. Laver le dentier pour enlever l'enduit de la barrière de bulles.
5. Couper et polir selon les besoins.

### NOTES POUR L'UTILISATION DE LIGHTLINER

1. Si des bulles d'air se présentent, les perforer immédiatement avec une spatule pour éliminer toute porosité.
2. Les temps énumérés ci-dessus s'appliquent seulement lors de la polymérisation avec une lampe de four de 100 W. Si l'on effectue la photopolymérisation avec une lampe de four de 250 W, il faudra compter environ 1 min 30 sec. Peut être photopolymérisé avec une lampe à main ayant une gamme de longueur d'ondes supérieure à 450 nm (environ 10 à 15 minutes). Une source lumineuse plus puissante réduira le temps de polymérisation et une source lumineuse moins puissante l'augmentera.

ATTENTION : certains individus peuvent être sensibles aux produits contenant de l'acrylique.

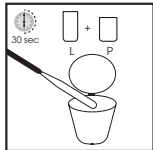
## Bosworth LightLiner Instructions for Use

Bosworth LightLiner is a unique light-cure chairside reline material that is available in a soft or hard non-methyl methacrylate formula.

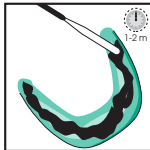
### PREPARATION

Remove denture from patient's mouth and grind 1-2mm from the entire palatal surface with a bur to expose fresh acrylic base. Coat patient's teeth and labial surface with a silicone lubricant such as Bosworth Masque to prevent the composite from sticking.

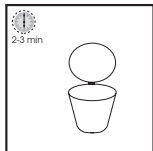
### APPLICATION



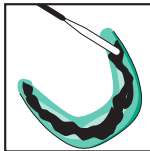
1. Add 1 vial of liquid (4g) to plastic cup of powder (6g). Spatulate for 30 seconds to obtain uniform mix. Mix slowly to reduce bubbles.



2. Coat denture with a thin layer of LightLiner mix to serve as a bonding agent.<sup>1</sup>



3. Set aside remainder of mix until it reaches a honey-like consistency (2-3 minutes).



4. Spatulate mix into denture and place in patient's mouth. Wipe off excess. Hold in patient's mouth until composite reaches a rubber-like consistency (3-5 minutes).

### CURING

#### Soft Formula

1. Remove denture from patient's mouth, rinse and dry.
2. Place in a light cure unit with a 100-watt halogen for 5 minutes.<sup>2</sup>
3. Remove denture and coat with Air Barrier.
4. Cure for an additional 5 minutes.
5. Wash denture to remove Air Barrier coating.
6. Trim and polish as necessary.

#### Hard Formula

1. Remove denture from patient's mouth, rinse and dry.
2. Coat denture with Air Barrier.
3. Place in a light cure unit with a 100-watt halogen for 5 minutes.<sup>2</sup>
4. Wash denture to remove Air Barrier coating.
5. Trim and polish as necessary.

### NOTES FOR USING LIGHTLINER

1. If air bubbles surface, puncture immediately with a spatula to eliminate any porosity.
2. Times listed above are applicable only if curing with a 100 watt oven light. If curing with a 250 watt oven light, time will be approximately 1 1/2 minutes. May be cured with a hand-held unit with a wavelength range greater than 450 nm (approximately 10-15 minutes). A more powerful light source will reduce the time of cure and a less powerful light source will increase the time of cure.

CAUTION: Certain individuals may be sensitive to products containing acrylic.

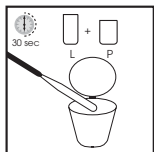
## Bosworth LightLiner instrucciones de uso

El LightLiner de Bosworth es un material de revestimiento Chairside para curar con luz que se puede obtener en una fórmula de metacrilato sin metil blando o duro.

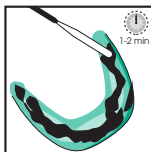
### PREPARACIÓN

Retirar la dentadura de la boca del paciente y, con una fresa, pulir la superficie palatal entera para quitar 1 a 2 mm, a fin de dejar expuesta la base acrílica. Recubrir los dientes y la superficie labial del paciente con un lubricante de silicona, como por ejemplo una máscara Bosworth para evitar que el compuesto se pegue.

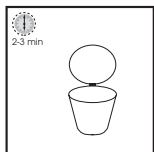
### APLICACIÓN



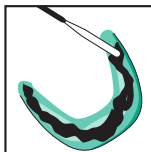
1. Añadir una ampolla de líquido (4 g) a la taza de plástico con polvo (6 g). Mezclar con una espátula durante 30 segundos para obtener una mezcla uniforme. Mezclar lentamente para reducir la creación de burbujas.



2. Recubrir la dentadura del paciente con una capa fina de la mezcla LightLiner para que sirva de agente adhesivo.<sup>1</sup>



3. Reservar el resto de la mezcla hasta que alcance una consistencia parecida a la miel (2 a 3 minutos).



4. Extender la mezcla con una espátula en la dentadura y colocarla en la boca del paciente. Limpiar el exceso de material. Sujetar en la boca del paciente hasta que el compuesto haya alcanzado una consistencia parecida a la goma (3 a 5 minutos).

### SECADO

#### Fórmula blanda

1. Retirar la dentadura de la boca del paciente, enjuagar y secar.
2. Colocar una unidad de cura con luz con una bombilla halógena de 100 W durante 5 minutos.<sup>2</sup>
3. Retirar la dentadura y recubrirla con barrera de aire.
4. Curar 5 minutos más.
5. Lavar la dentadura para eliminar el recubrimiento de barrera de aire.
6. Recortar y pulir según sea necesario.

#### Fórmula dura

1. Retirar la dentadura de la boca del paciente, enjuagar y secar.
2. Recubrir la dentadura con barrera de aire.
3. Colocar una unidad de cura con luz con una bombilla halógena de 100 W durante 5 minutos.<sup>2</sup>
4. Lavar la dentadura para eliminar el recubrimiento de barrera de aire.
5. Recortar y pulir según sea necesario.

### NOTAS PARA USAR EL LIGHTLINER

1. Si surgen burbujas de aire, pinchar inmediatamente con una espátula para eliminar la porosidad.
2. Los tiempos que figuran anteriormente sólo son aplicables si se seca con una luz de horno de 100 W. Si lleva a cabo el curado con una luz de horno de 250 W, el tiempo será de 1,5 minutos. Se puede curar con una unidad manual, con un intervalo de longitud de onda superior a 450 nm (10 a 15 minutos aproximadamente). Una fuente de luz de más potencia reducirá el tiempo de cura y una fuente de luz de menos potencia aumentará el tiempo de cura.

ATENCIÓN: Algunas personas pueden ser sensibles a los productos que contengan acrílico..

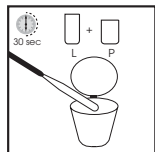
## Bosworth LightLiner instruções de utilização

O Bosworth LightLiner é um material de revestimento imediato fotopolimerizável de características únicas, disponível numa fórmula de metacrilato (não metilo) flexível ou rígida.

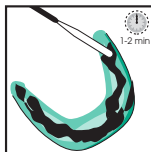
### PREPARAÇÃO

Retirar a prótese dentária da boca do paciente e rectificar 1 a 2 mm de toda a superfície palatina com uma fresa para deixar exposta uma base de acrílico fresca. Revestir os dentes e a superfície labial do paciente com um lubrificante de silicone como, por exemplo, a máscara Bosworth para impedir que o composto cole.

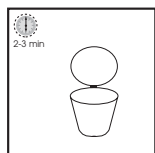
### APLICAÇÃO



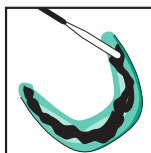
1. Adicionar 1 medidor de líquido (4 g) ao copo de plástico com o pó (6 g). Misturar com a espátula durante 30 segundos até obter uma mistura homogênea. Misturar lentamente para reduzir a formação de bolhas.



2. Revestir a prótese dentária com uma fina camada da mistura LightLiner para servir como agente adesivo.<sup>1</sup>



3. Colocar de lado o resto da mistura até adquirir uma consistência semelhante ao mel (2 a 3 minutos).



4. Aplicar a mistura com a espátula na prótese dentária e colocar na boca do paciente. Limpar o excesso. O composto deve ser mantido na boca do paciente até atingir uma consistência semelhante a borracha (3 a 5 minutos).

### POLIMERIZAÇÃO

#### Fórmula flexível

1. Retire a prótese dentária da boca do paciente, enxagúe e seque.
2. Colocar numa unidade de fotopolimerização com uma lâmpada de halógeno de 100 W durante 5 minutos.<sup>2</sup>
3. Retirar a prótese dentária e revesti-la com a barreira de ar.
4. Deixar fotopolimerizar durante mais 5 minutos.
5. Lavar a prótese dentária para retirar o revestimento de barreira de ar.
6. Aparar e realizar o polimento, conforme necessário.

#### Fórmula rígida

1. Retirar a prótese dentária da boca do paciente, enxaguar e secar.
2. Revestir a prótese dentária com a barreira de ar.
3. Colocar numa unidade de fotopolimerização com uma lâmpada de halógeno de 100 W durante 5 minutos.<sup>2</sup>
4. Lavar a prótese dentária para retirar o revestimento de barreira de ar.
5. Aparar e realizar o polimento, conforme necessário.

### NOTAS SOBRE O USO DE LIGHTLINER

1. Se surgirem bolhas de ar à superfície, rebente-as imediatamente com uma espátula para eliminar qualquer porosidade.
2. Os tempos indicados acima são aplicáveis se a polimerização for realizada com uma lâmpada (tipo lâmpada de forno) de 100 W. Se a polimerização for realizada com uma lâmpada (tipo lâmpada de forno) de 250 W, o tempo é cerca de 1,5 minutos. A polimerização pode ser realizada com uma unidade portátil com um alcance de comprimento de onda superior a 450 nm (cerca de 10 a 15 minutos). Uma fonte luminosa de potência superior encurtará o tempo de polimerização e uma fonte luminosa de potência inferior aumentará o tempo de polimerização.

**ATENÇÃO:** Algumas pessoas podem ser sensíveis a produtos contendo acrílico.



**REF** 0921463 Standard Kit (Hard)

Kit standard (dur), n° de réf. 0921463  
Katalog-Nr. 0921463 Standard-Satz (Hart)  
Rif. N° 0921463 - Kit standard (duro)  
Ref. 0921463 Kit padrão (rígido)  
Ref. 0921463 Kit estándar (duro)

**REF** 0921464 Standard Kit (Soft)

Kit standard (mou), n° de réf. 0921464  
Katalog-Nr. 0921464 Standard-Satz (Weich)  
Rif. N° 0921464 - Kit standard (morbido)  
Ref. 0921464 Kit padrão (flexível)  
Ref 0921464 Kit estándar (blando)



8 - 6g Powder  
Poudre de 6 g x 8  
8 - 6 g Pulver  
Polvere 8 - 6 g  
8 - 6 Pó  
8 a 6 g en polvo



8 - 4g Liquid  
Liquide de 4 g x 8  
8 - 4 g Flüssigkeit  
Líquido 8 - 4 g  
8 - 4 Líquido  
8 a 4 g líquido



30cc Air Barrier  
Barrière de bulles de 30 cm<sup>3</sup>  
30 cm<sup>3</sup> Luftbarriere  
Barriera d'aria da 30 cm<sup>3</sup>  
Barreira de ar 30cm<sup>3</sup>  
Barrera de aire 30 cm<sup>3</sup>