

Dear partners and home owners,

Thankyou for your interest in an AGS Systems product, by THEINVISIBLETOOLBOX. In the following pages, you will find a compilation of all technical matters of relevance from the manufacturers of the Frame system.

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- TFN- Technical Specifications _____ Page 3
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AGS solutions are of the highest technical credibility, and manufactured to excellent quality control standards.

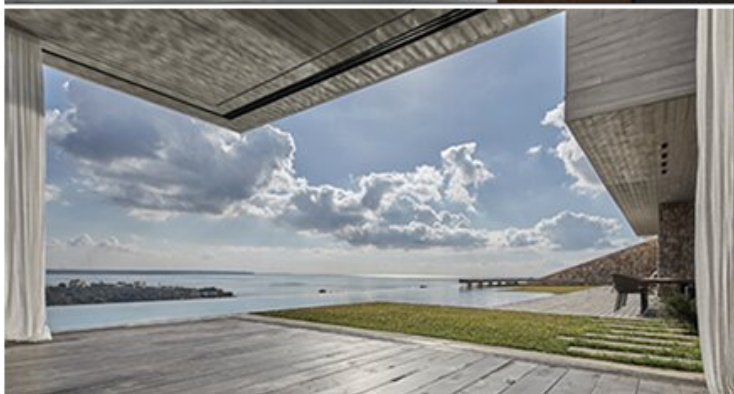
The products are designed for easy installation, and a durable, beautiful result.

Installation details pertaining to any particular project may vary.

We encourage you to get in touch with us with any technical question: THEINVISIBLETOOLBOX will be happy to take your wall assembly specific requirements, and offer you a suitable CAD detail for an architectural application, where the relevant profile is detailed into your construction.

THEINVISIBLETOOLBOX, delivers technical support and sales services for the AGS product line in Canada. We are happy to be of service, to include sales support, guidance to tradesmen as well as take on complete door projects.

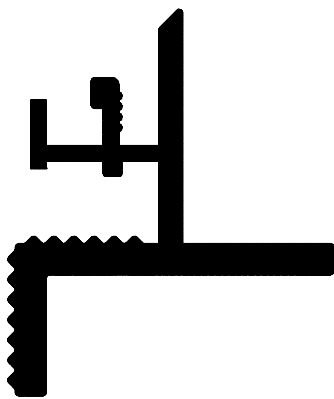
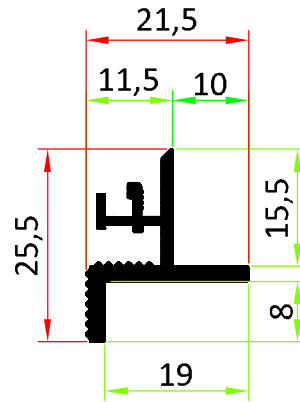
We look forward to hearing from you,
and taking part in your future opening challenges!
Best, THEINVISIBLETOOLBOX team.



THEINVISIBLETOOLBOX

SOUND PRINCIPLES FOR MINIMAL CONSTRUCTION
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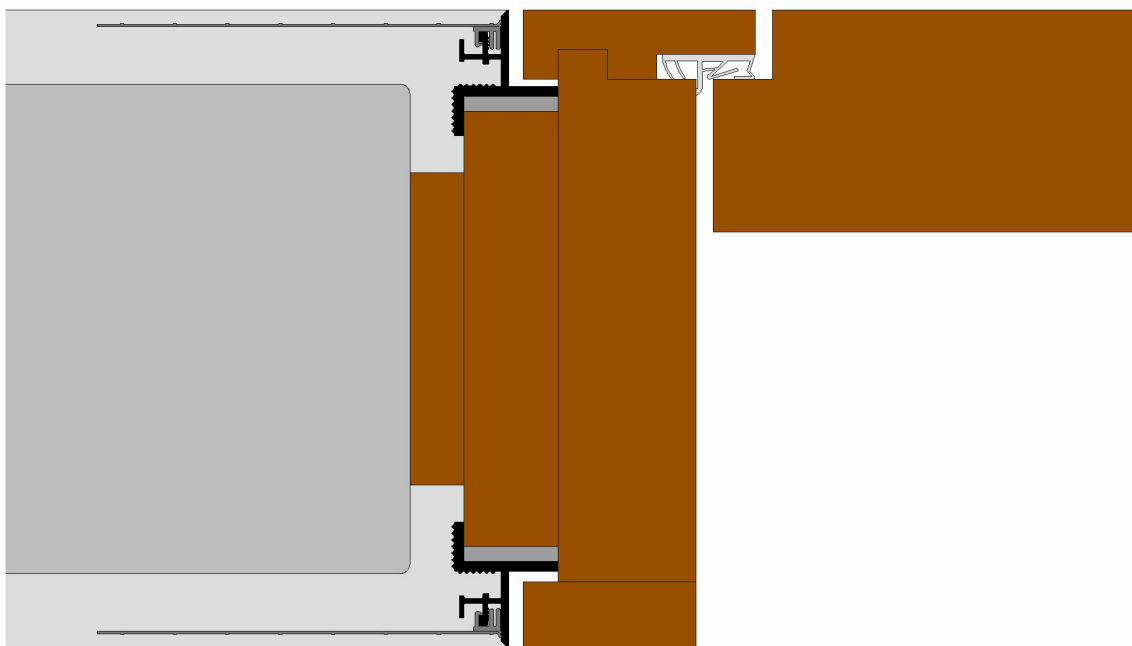
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Technical data sheet

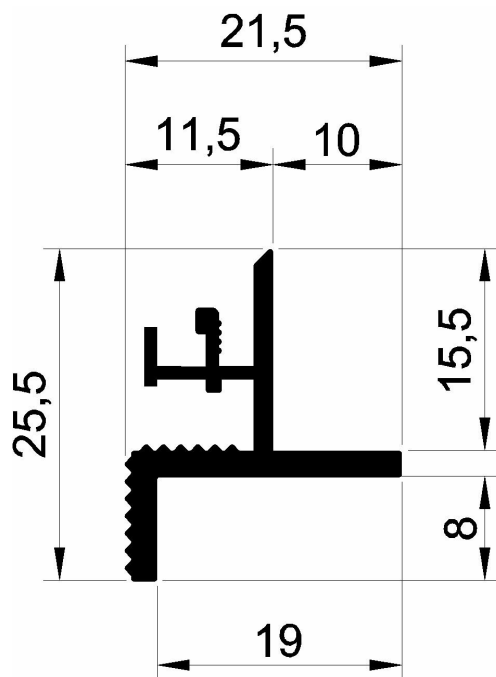
Model TFN for inward/outward opening doors



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Profile detail



Model TFN

Suitable for solid and dry construction

<i>Item number</i>	<i>Description</i>	<i>Standard lengths*</i>
10115-11	TFN	1100 mm
10115-22	TFN	2200 mm
10115-27	TFN	2750 mm
10115-33	TFN	3300 mm
10115-55	TFN	5500 mm

*Special lengths on request.

Suitable for solid and dry construction

This profile system is fitted to the frame linings prior to installing a finished timber door frame, to create the perfect shadow gap outline, and eliminate the need for architraves. The snap-in mesh ensures no plaster cracks between wall and frame. Suits standard or floor-to-ceiling doors.

Recommendations

On the basis of detailed tests and long-term experiences our technical office has prepared a recommendation list regarding the selection of hinges, closing panels and seals. This lists are practical guidelines and non exhaustive.

Suitable hinges	
<i>Producer</i>	<i>Website</i>
Simonswerk GmbH	www.simonswerk.com
Bartels-Systembeschläge GmbH	www.basyshome.com
Krone Koblenz SpA	www.k-group.com

Suitable closing panels	
<i>Producer</i>	<i>Website</i>
Bonaiti Serrature SpA	www.bonaiti.it
Kaba GmbH	www.kaba.de
Alban Giacomo SpA	www.agb.it
KFV Karl Fliether GmbH & Co. Kg	www.kfv.de

Suitable seals	
<i>Producer</i>	<i>Website</i>
Helmut Goll GmbH	www.helmutgoll.com
Deventer Profile GmbH	www.deventer-profile.com
Primo Profile GmbH	www.primo.com
Schlegel GmbH	www.helmutgoll.com

Suitable double-sided tape	
<i>Producer</i>	<i>Description</i>
Astorplast Klebetechnik SE	Astorpol

We guarantee for a high quality of our products. Our processing guidelines are based on tests and practical experiences; they are only indication without assurance of properties, we have no influence on condition of construction sites and the realizations of the works

Country specific regulations, which consist on regional standards, building regulations, processing and industrial guidelines, can guide to specific processing recommendations.

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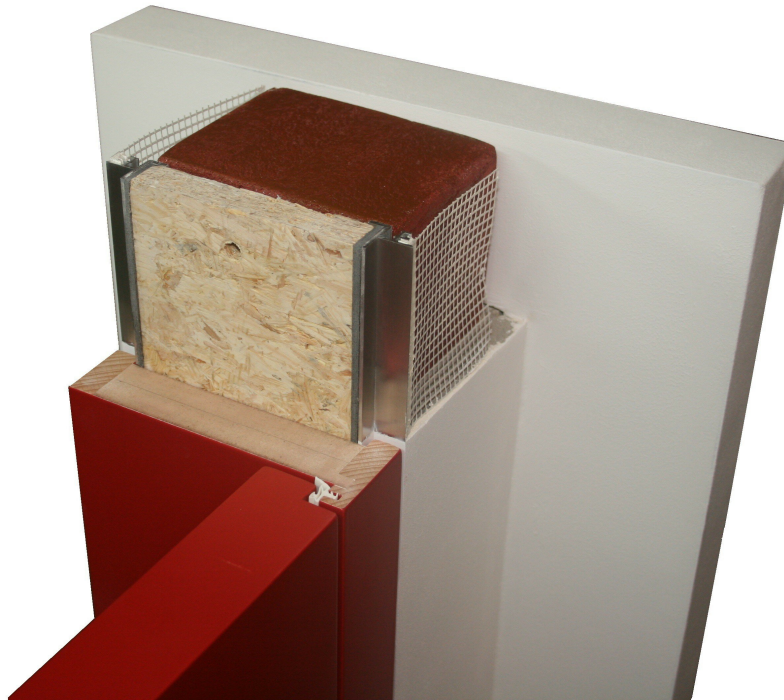
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- DE Montageanleitung
- IT Istruzioni d'assemblaggio
- EN Assembly instructions
- FR Manuel d'assemblage

TFN

 Bei dem Modell TFN handelt es sich um ein Aluminiumprofil zur Fertigung von wandbündigen FUTTERZARGEN für den Trocken- und Massivbau. Die Futterstockzarge mit dem Schattennutprofil TL kann für nach innen als auch für nach außen öffnende Türen verwendet werden. Das Türblatt kann je nach Wunsch eine Dicke von 40 bis 60 mm aufweisen und von Standard bis Raumhöhe gefertigt werden.


Die Aluminiumprofile sind als Stangenware, mit einer Schutzfolie versehen, in den Längen 1100 mm, 2200 mm, 2750 mm erhältlich und kurzfristig lieferbar.

Die Türprofile bestehen aus einer rohen unbehandelten Aluminiumlegierung. Zement und seine Derivate produzieren, bei Nässe, alkalische Substanzen welche, wenn man diese auf der Oberfläche der Aluminiumlegierung arbeiten lässt, zu Korrosion führen kann. Deshalb wird empfohlen die Profile immer frei von Zement, Kleber und Fugenmaterial zu halten. Die Korrosion wird durch die empfohlene bauseitige Grundierung und Lackierung des Profils in Wandfarbe verhindert.

 Il modello TFN è un profilo d'alluminio per porte con coprifilo a raso muro per strutture massicce e cartongesso per porte a spingere ed a tirare. Con il modello TL sono possibili ante da 40 fino a 60 mm con altezze standard fino al soffitto.


I profili d'alluminio sono muniti di una pellicola di protezione e disponibili a magazzino nelle seguenti lunghezze: 1100 mm, 2200 mm e 2750 mm.

I nostri profili porta consistono d'alluminio grezzo, non lavorato. L'alta umidità del cemento e dei suoi derivati producono sostanze alcaline che possono causare corrosioni. Per evitare questo consigliamo di tenere i profili sempre liberi di cemento, colle e altre sostanze corrosive. La corrosione può essere evitata anche verniciando i profili con delle apposite lacche. Tuttavia l'alluminio non è resistente a tutte le composte chimiche.

 The aluminium profiles TFN are used to create a wall flush TIMBER DOOR frame for solid as well as dry construction and for inswing or outswing doors. The door leave can have a thickness from 40 to 60 mm and from standard to ceiling high.

The TL profiles are available as standard lengths of 1100mm, 2200mm and 2750mm on stock ready to be shipped in a short time. All profiles are covered by a protective film.

The door profiles are made out of raw untreated aluminium. Cement and his derivatives produce alkaline substances when getting wet, which can provoke corrosion if they have time to work on the surface of the aluminium alloy. We recommend to keep the profiles clear from cement, glue and joints material. The above mentioned corrosion will be prevented by the recommended priming and finishing of the profiles in wall colours.

 La gamme de modèles TFN est constituée de profils en aluminium pour la fabrication des HUISSERIES ENVELOPPANTES à utiliser en construction massive et sèche pour portes qui s'ouvrant vers l'intérieur et vers l'extérieur. On peut opter pour une épaisseur de vantail de 40 à 60 mm et les vantaux peuvent être fabriqués dans des hauteurs pouvant aller de la hauteur standard jusqu'à la hauteur de la pièce.

Les profils en aluminium sont livrés sous forme de barres, sont munis d'un film protecteur et sont disponibles et livrables rapidement dans des longueurs de 1100 mm, 2200 mm et 2750 mm.

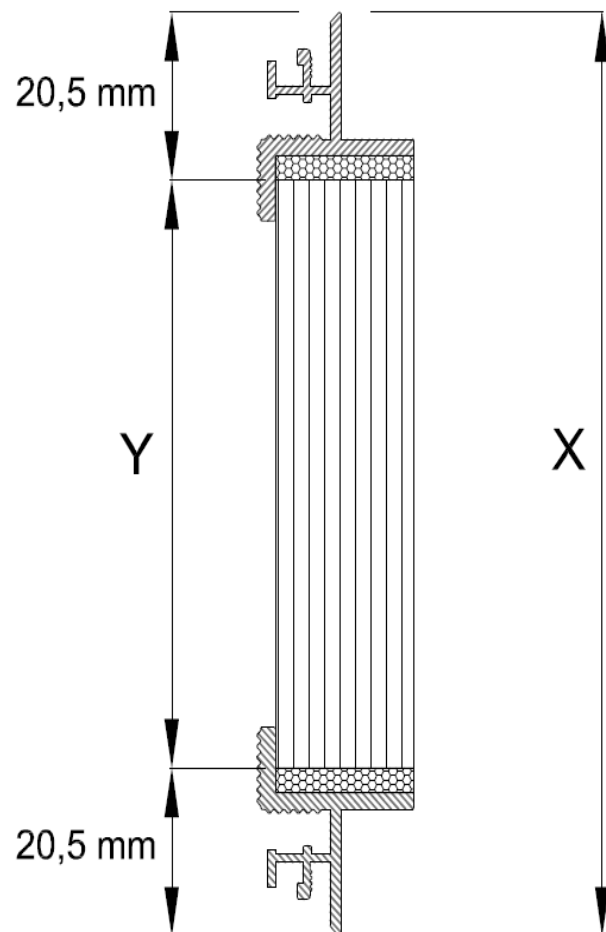
En cas d'humidité, le ciment et ses dérivés produisent des substances alcalines susceptibles d'engendrer de la corrosion si on les laisse agir à la surface de l'alliage d'aluminium. C'est la raison pour laquelle il est recommandé de toujours veiller à ce que les profils soient exempts de ciment, d'adhésif et de matériau de joint. Le maître d'ouvrage peut empêcher la corrosion par l'application recommandée sur le profil d'une couche de fond et d'une couche de peinture dans la couleur des murs.

1

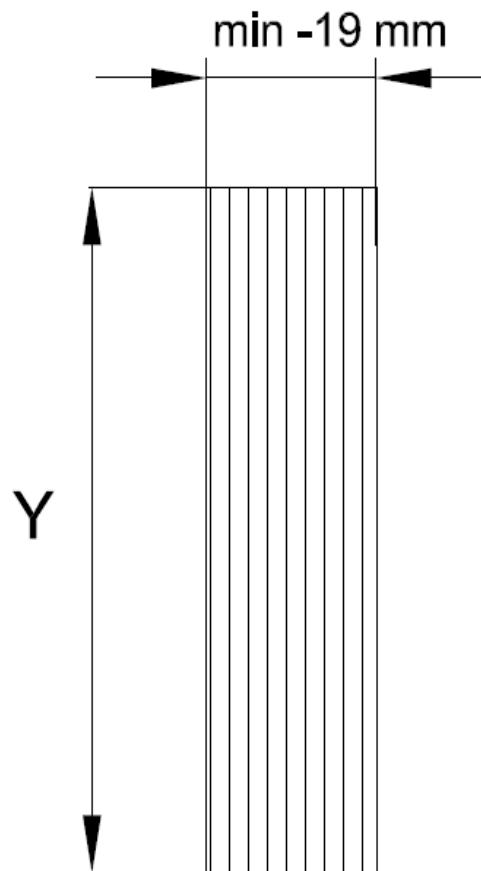
- (DE) Fertigung Blindfutter
Als Blindfutter sollte ein wasserabweisendes, steifes Material Verwendung finden, wie z.B. wasserfeste OSB oder wasserfeste Mehrschichtplatte
- (IT) Produzione falso telaio
Per la produzione del falso telaio consigliamo un materiale rigido e idrorepellente come per esempio una OSB oppure listelli multistrati impermeabili
- (EN) Production built-in door frame
We recommend to use a water-proofed OSB board or a water-proofed multi-layer plate for the built-in door frame
- (FR) Fabrication du cadre dormant
Pour réaliser le cadre dormant, on doit utiliser le material resitant a l'eau de type OSB ou autre.

- (DE) X = Definitive Mauerstärke
- (IT) X = Larghezza muro intonacato definitiva
- (EN) X = Definitive wall thickness
- (FR) X = Epaisseur du mur Definitif

- (DE) Y = breite Blindfutter ($Y=(X-41\text{ mm})$)
- (IT) Y = Larghezza falso telaio ($Y=(X-41\text{ mm})$)
- (EN) Y = width built-in door frame ($Y=(X-41\text{ mm})$)
- (FR) Y = Largeur cadre dormant ($Y=(X-41\text{ mm})$)

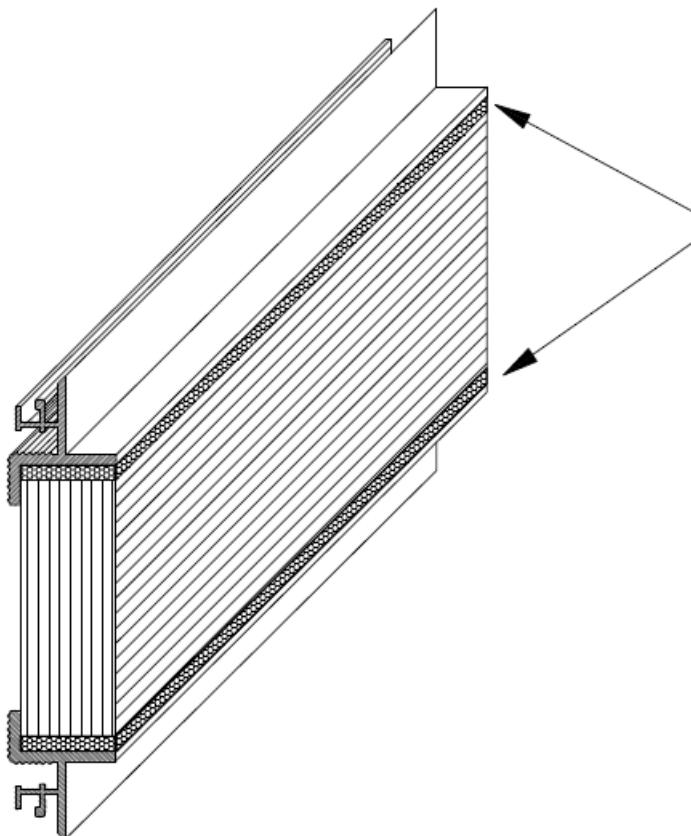
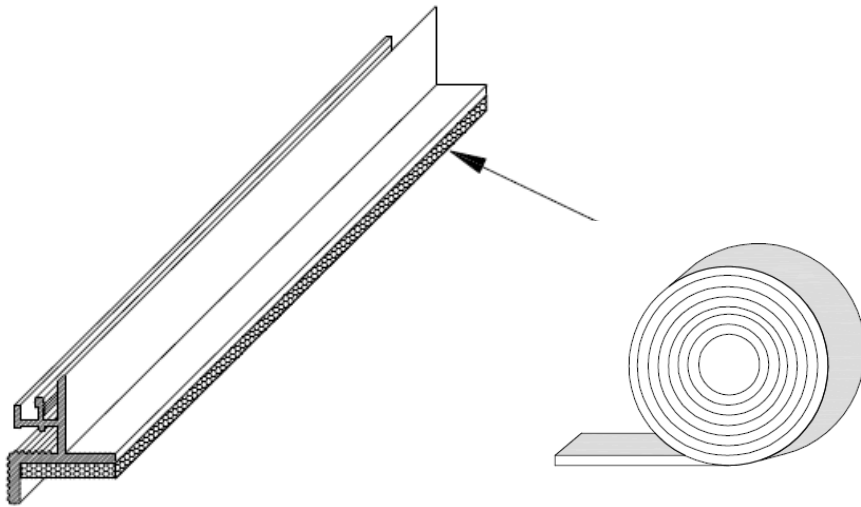


- 2**
- ① DE Blindmaß
Die Breite des Blindfutters
sollte mindestens 19 mm betragen
 - ② IT Dimensione falso telaio
Lo spessore pannello minimo consigliato del falso telaio
deve ammontare ad almeno 19 mm
 - ③ EN Built-in door frame dimension
The width of the built-in door frame
must be at least 19 mm
 - ④ FR Dimension rainure
L'épaisseur du cadre dormant doit-etre
miniumum 19mm



3

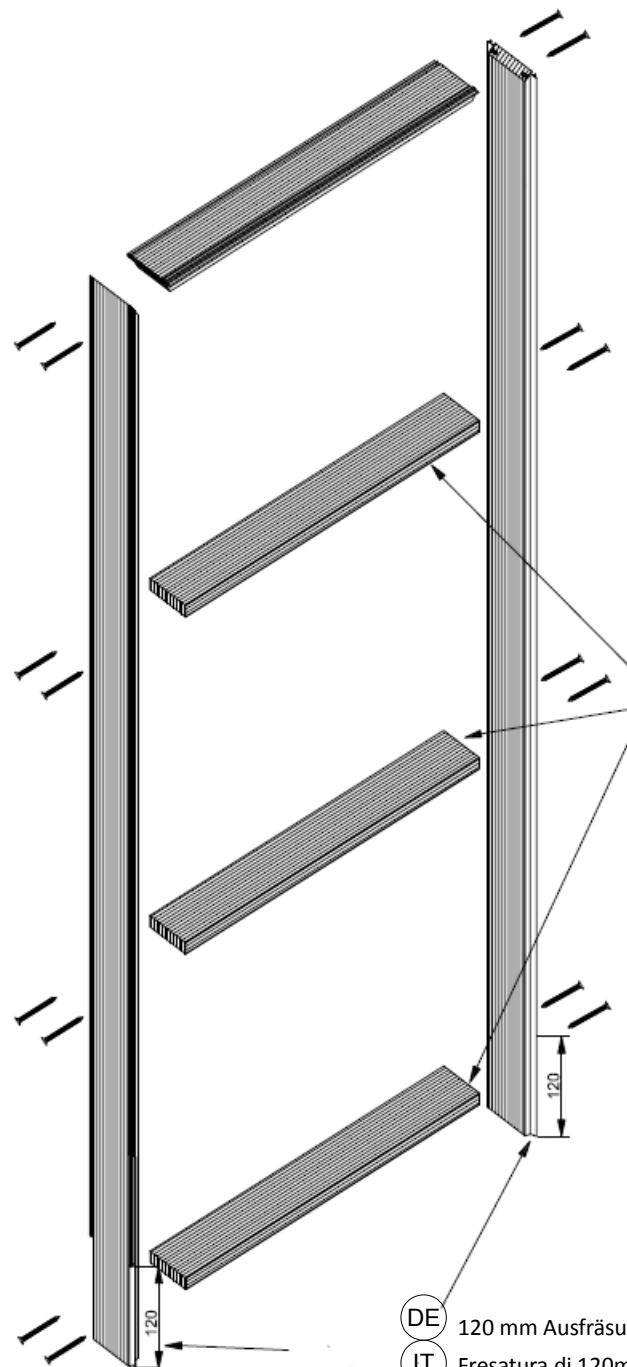
- DE** Anbringen Profil auf Blindfutter
Profil entsprechend den Blindstockmaßen in Gehrung schneiden. Danach das vibrationshemmende Doppelklebeband (Art. Nr. 50050a) auf Stirnseite des abgelängten Profil aufkleben
- IT** Applicazione del profilo sul falso telaio
Tagliare il profilo secondo le dimensioni del falso telaio. Si toglie la pellicola protettiva sul primo lato del nastro biadesivo (50050a) e si incolla sulla fronte del profilo, togliere la pellicola protettiva sul secondo lato e incollare il profilo sul falso telaio. Così facendo si garantisce il disaccoppiamento di tutte le vibrazioni
- EN** Insert profile on built-in door frame
Cut the profiles to mitre according the dimensions of the built-in door frame. Afterwards stick the shock-absorbing adhesive tape (item no. 50050a) on the front panel to the cut profile
- FR** Assemblage profile sur cadre dormant
Taille le profil en onglet correspondant le dimension de cadre. Puis appliquer le ruban adhesif double face (art. 50050a) sur les faces de profile



- DE** Auf Stirnseite kleben
IT Incollare sulla fronte del profilo
EN Stick on front panel
FR Appliquer sur les faces

4

- (DE) Zusammenbau Blindstock
Blindfutter mit aufgeklebtem TFN Profil zusammensetzen und mit vorbereitetem Distanzhalter den Rahmen zusammenschrauben
- (IT) Assemblaggio falso telaio con coprifilo
Assemblare il falso telaio con il coprifilo TFN e fissarli con i distanziali
- (EN) Assembly built-in door frame
Assemble the built-in door frame with the stuck TFN profile and screw it together with prepared distance spacers
- (FR) Assemblage cadre dormant
Couper a la longueur souhaitee des dormants avec le profil colle selon les specifications techniques. Utiliser les barres decartement et fixer le cadre dormant a l'aide de vis



- (DE) Distanzhalter
(IT) Distanziali
(EN) Distance spacers
(FR) Barre d'ecartement

- (DE) 120 mm Ausfräsung für wandbündige Sockelleisten
(IT) Fresatura di 120mm per il raccordo del battiscopa a filo muro
(EN) 120 mm recessing for flush skirting boards connection
(FR) Usinage de 120mm pour nos plinthes a fleur du mur

5

DE Montage Blindstock

Blindstock in Maueröffnung einsetzen, horizontal und vertikal ausrichten, fixieren und hinterschäumen. Distanzhalter erst nach Verfestigung des Montageschaumes entfernen. Blindstock kann eventuell mit Bodeneinstand montiert werden, jedoch nicht mit mehr als 50 mm, da sonst das Anbringen einer wandbündigen Sockelleiste nicht gewährleistet werden kann

IT Montaggio telaio con coprifilo

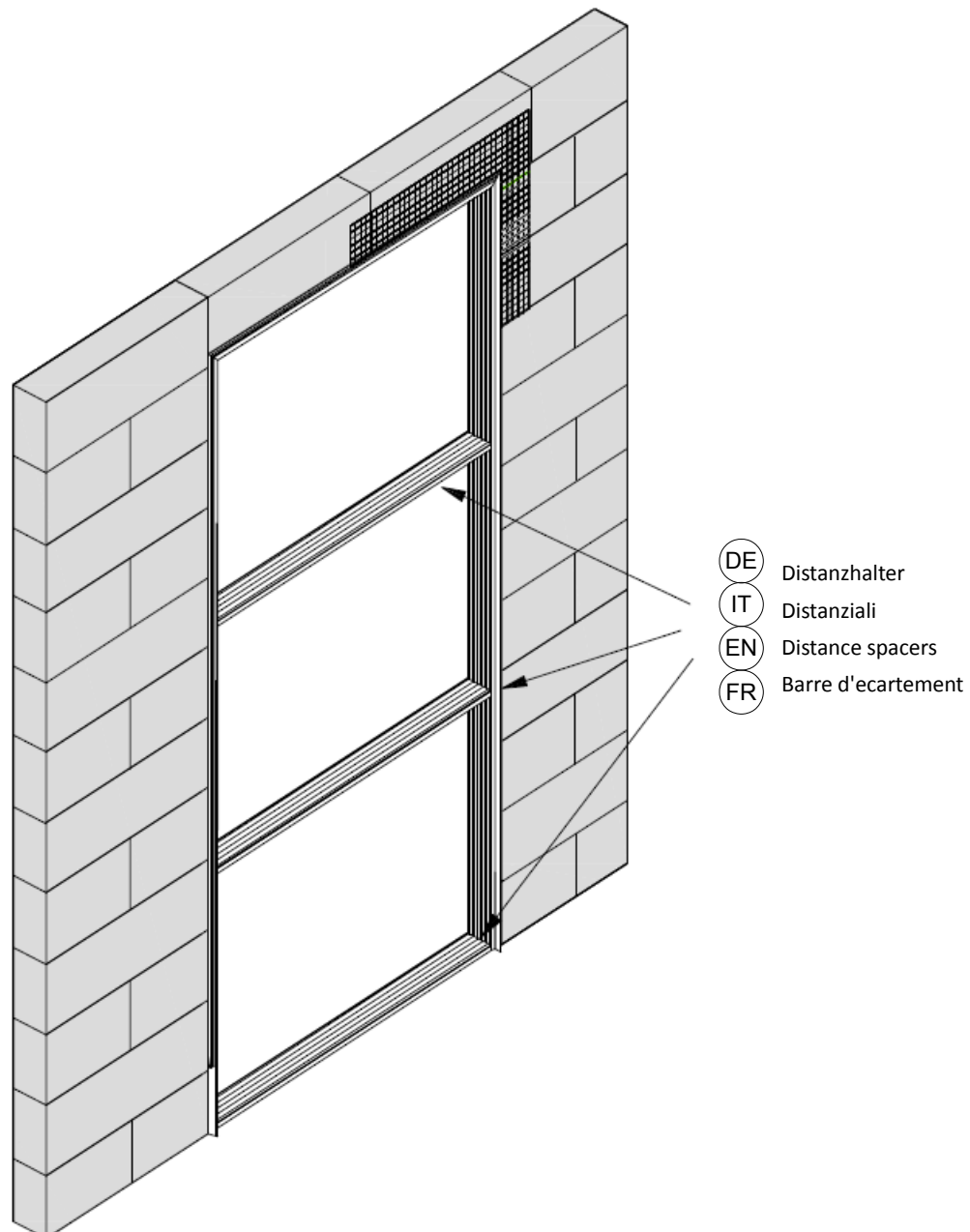
Inserire il telaio nel foro muro, posizionarlo orizzontalmente e verticalmente, fissarlo con delle vite e schiumarlo. Dopo che la schiuma si è indurita, rimuovere i distanziali

EN Mounting built-in door frame

Insert the built-in door frame in the wall opening, adjust it horizontally and vertically, fix it and backfoam it. After the foam has set, remove the distance spacers. The built-in door frame can be mounted with a floor recess not more than 50 mm, so that a connection of a wall-flush mounted skirting boards can still be guaranteed

FR Montage cadre dormant

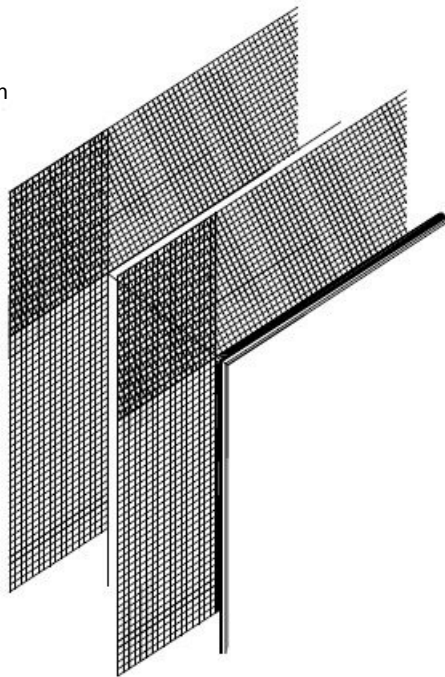
Mettre le cadre dormant au jour de passage, Positionner le cadre dormant horizontalement et verticalement, fixer avec de la mousse polyurethane. Retirer les barres d'écartement après séchage de la mousse. Le cadre peut-être monté avec un encastrement de minimum de 50mm, pour garantir un raccord correct avec nos plinthes à fleur du mur



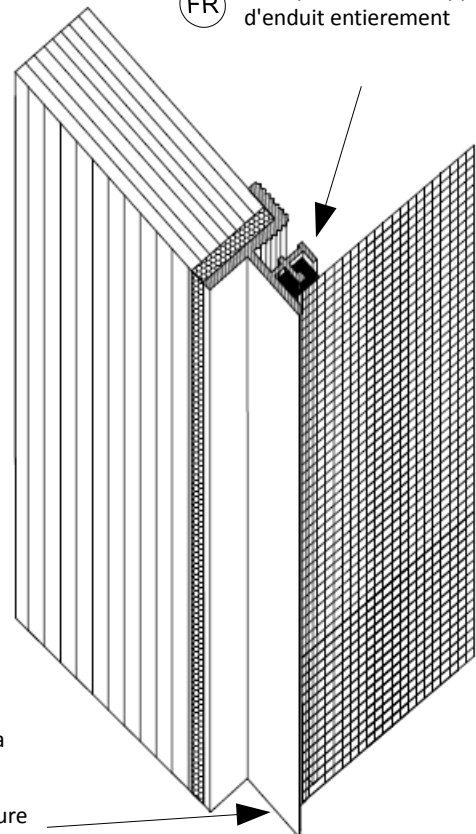
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- (DE) Endmontage Putznetz
Putznetz nach Aushärten des Montageklebers ganzflächig einklicken und an den Ecken überlappen. D.h. den Steg vom Putzprofil auf 10 cm abtrennen und so anbringen, dass sich das Gewebe zur Gänze überlappt
- (IT) Montaggio rete d'armatura
Dopo che la schiuma di montaggio si è indurita, incastrare la rete d'armatura esternamente nel profilo e sovrapporla nei angoli. Ciò vuol dire che 10 cm del profilo in plastica devono essere tolti
- (EN) PVC mesh
After the foam has set, click in the PVC mesh along the whole length of the profiles and overlap it on the corners. Cut approximately 10 cm of the bar of the mesh and affix it, so that it will overlap entirely
- (FR) Montage filet support d'enduit
Après le durcissement de la mousse, encliqueter le filet support d'enduit sur les profils en faisant chevaucher le filet dans les coins

- (DE) Überlappen
(IT) Sovrapporre
(EN) Overlap of the mesh
(FR) Se chevaucher

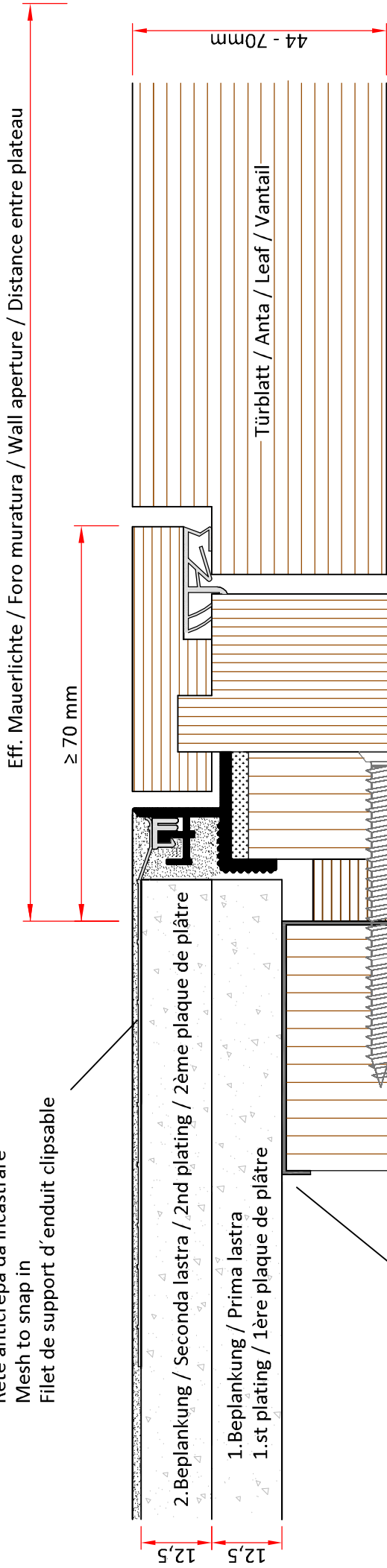


- (DE) Putznetz vollflächig einklicken
(IT) Incastrare la rete interamente
(EN) Click-in the mesh entirely
(FR) Encliqueter le filet support d'enduit entièrement



- (DE) Schutzfolie nach den Malerarbeiten abziehen
(IT) Rimuovere il film protettivo dopo i lavori di pittura
(EN) Remove protective film after painting works
(FR) Retirer le film protectives apres le travail en peinture

Einklickbares Putznetz
 Rete anticrepa da incastrare
 Mesh to snap in
 Filet de support d'enduit clipsable



2. Beplankung / Seconda lastra / 2ème plaque de plâtre

1. Beplankung / Prima lastra
 1. st plating / 1ère plaque de plâtre

Metalständer
 Montante
 Gypframe
 Montant métallique / bois

Gipskartonplatte / Lastra cartongesso

Gypsm plaster board / Plaque de plâtre

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Einklickbares Putznetz
 Rete anticrepa da incastrare
 Mesh to snap in
 Filet de support d'enduit clipsable

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Einklickbares Putznetz

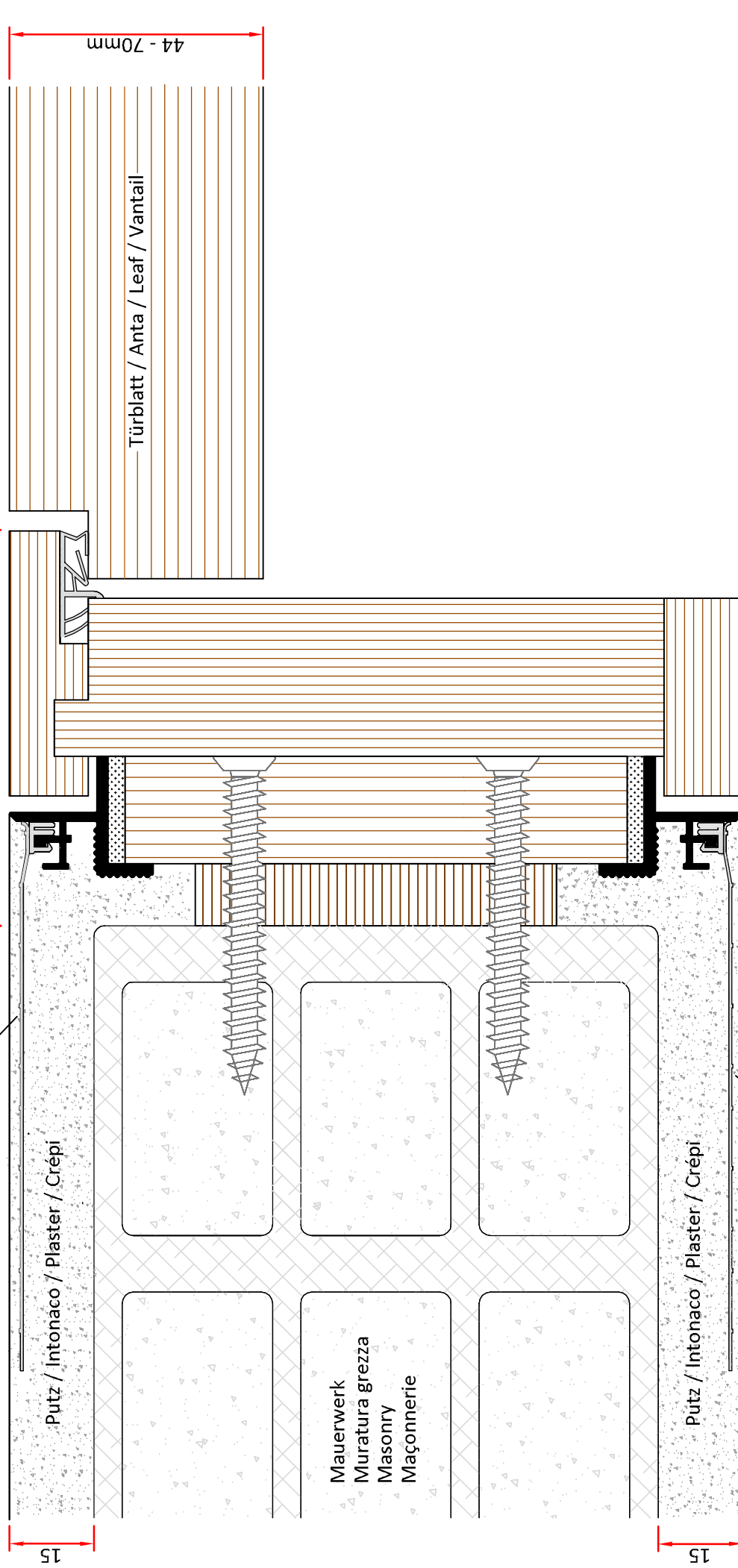
Rete anticrepa da incastrare

Mesh to snap in

Filet de support d'enduit clipsable

Eff. Mauerlichte / Foro muratura / Wall aperture / Distance entre plateau

≥ 70 mm



15

Putz / Intonaco / Plaster / Crépi

Mauerwerk
Muratura grezza
Masonry
Maçonnerie

15

Putz / Intonaco / Plaster / Crépi

Türblatt / Anta / Leaf / Vantail

44 - 70mm

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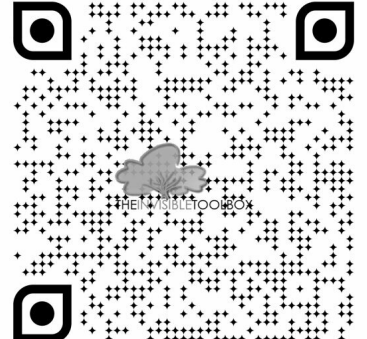
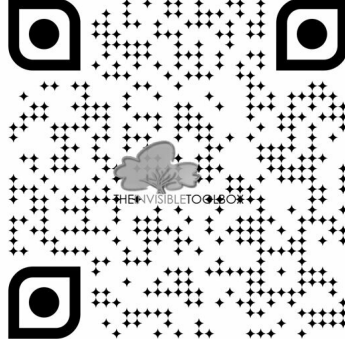
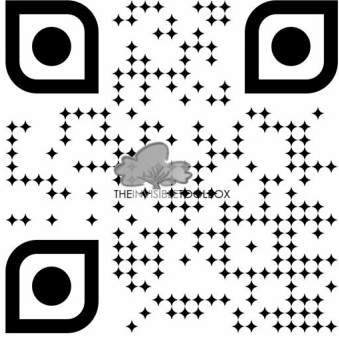
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