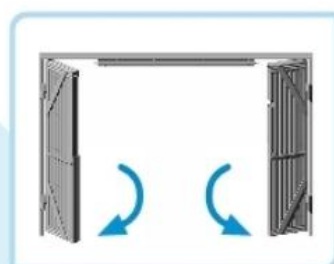




**Puertas  
metálicas  
de Ballesta**

## puertas metálicas (visto desde el exterior)



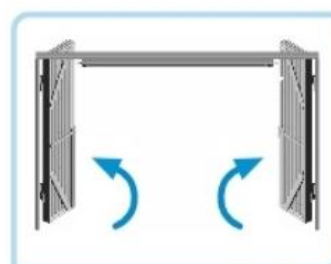
**modelo1**  
Dos hojas exteriores



**modelo2**  
Una hoja exterior izquierda



**modelo3**  
Una hoja exterior derecha



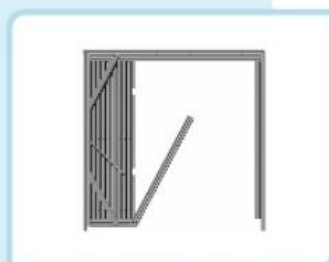
**modelo4**  
Dos hojas interiores



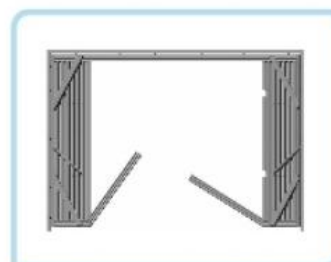
**modelo5**  
Una hoja interior izquierda



**modelo6**  
Una hoja interior derecha



**modelo7**  
Corredera izquierda, no abatible,  
levanta guía



**modelo8**  
Corredera no abatible, dos hojas  
levanta guía

**DISPONEMOS DE UNA AMPLIA GAMA DE RALES. PUEDEN CONSULTARLA EN [WWW.PUERTASLOPEZ.ES](http://WWW.PUERTASLOPEZ.ES)**  
**MATERIAL GALVANIZADO TERMOLACADO CON RESISTENCIA A LA OXIDACIÓN Y CON LLAVE DE SEGURIDAD**

## puertas metálicas (visto desde el exterior)



**modelo9**  
Corredera derecha, no abatible,  
levanta guía



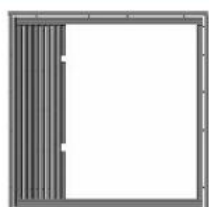
**modelo10**  
Dos hojas descompensadas  
derecha



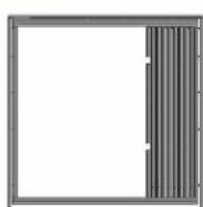
**modelo11**  
Dos hojas descompensadas  
izquierda



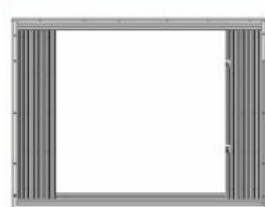
**modelo12**  
Puerta bandera (con o sin pilastra)



**modelo13**  
Corredera izquierda, no abatible,  
no levanta guía



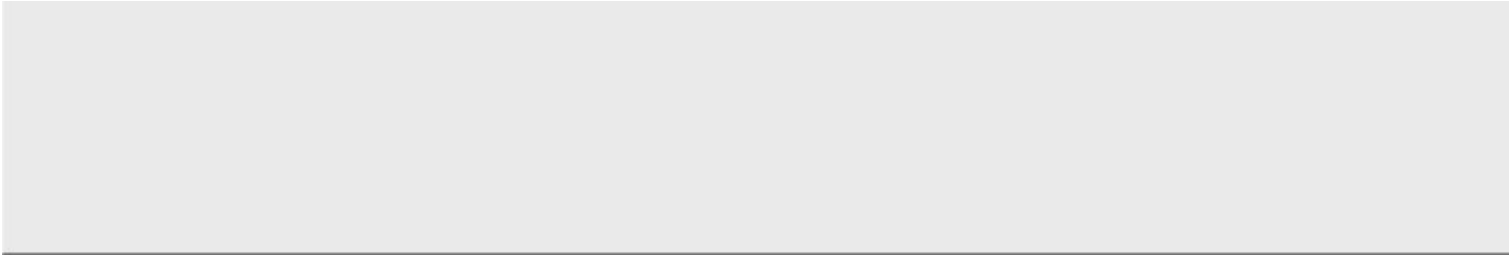
**modelo14**  
Corredera derecha, no abatible,  
no levanta guía



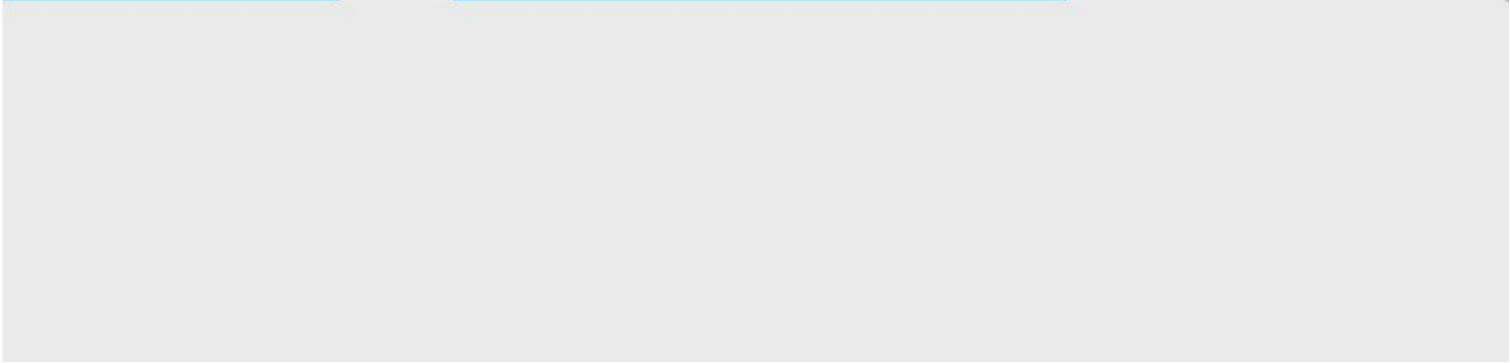
**modelo15**  
Corredera no abatible, dos hojas  
no levanta guía



**modelo16**  
Fija



**Rodamientos**



## puertas de ballesta / rodamiento superior



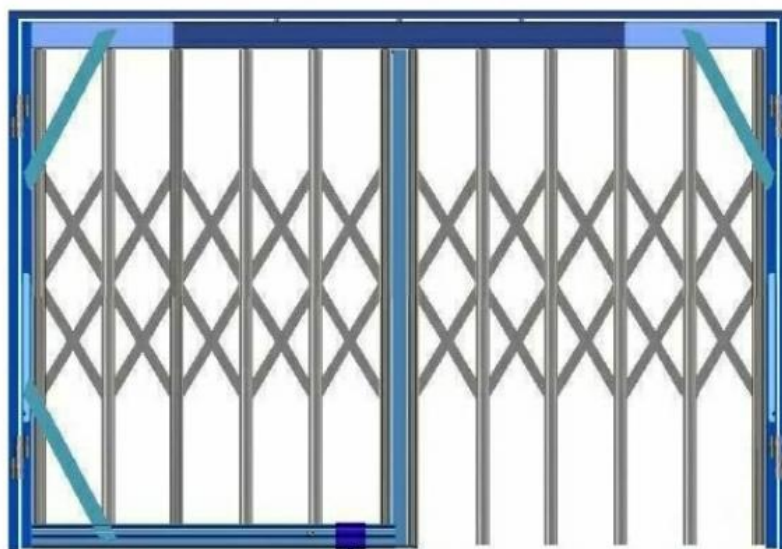
Detalle superior



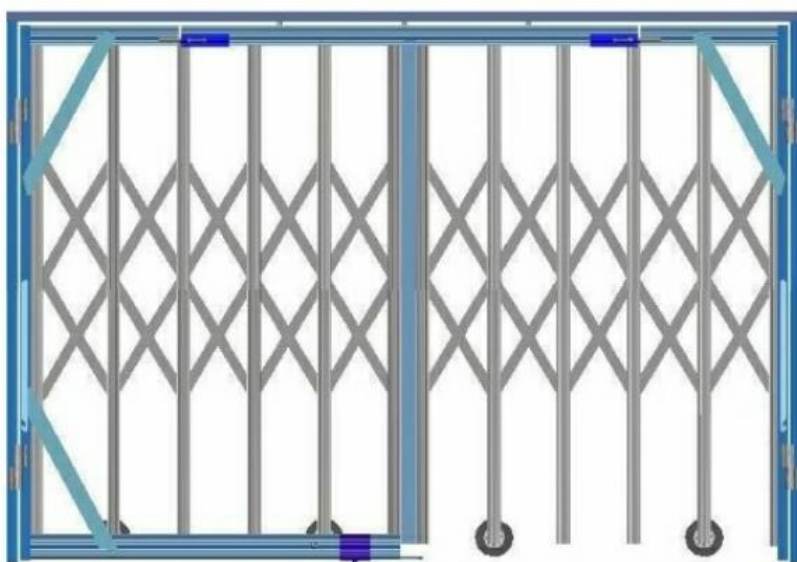
Lama 23



Guía superior



## puertas de ballesta / rodamiento Inferior



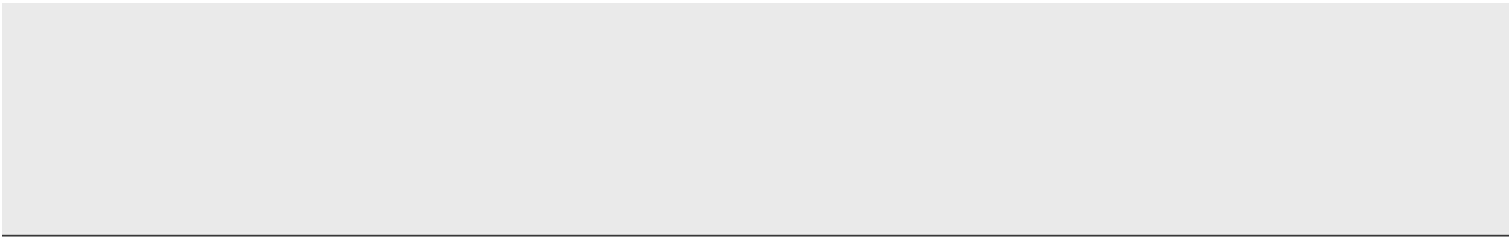
Detalle superior



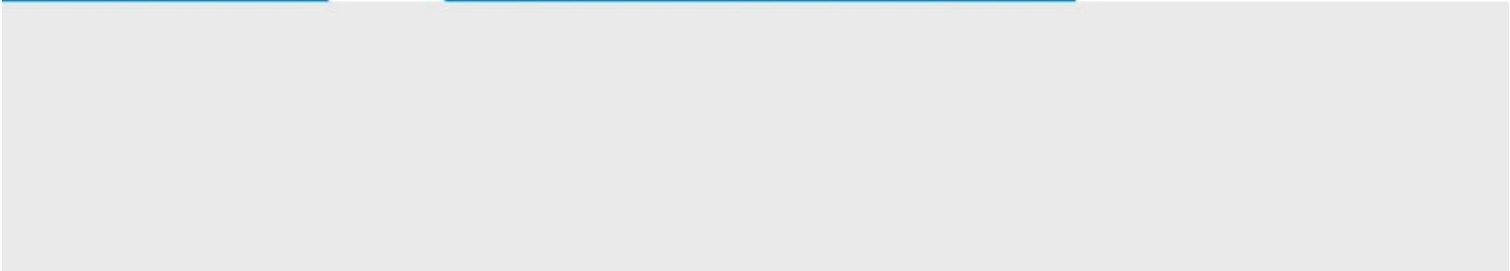
Lama 23



Guía inferior

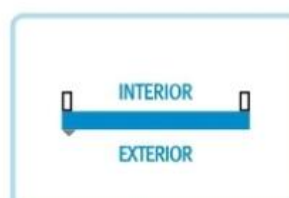
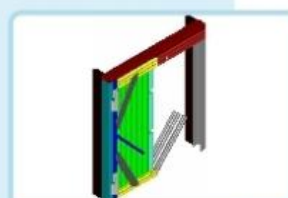
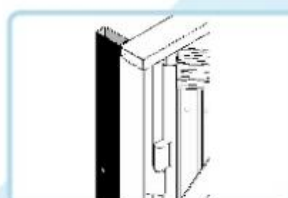


**Sujecciones**

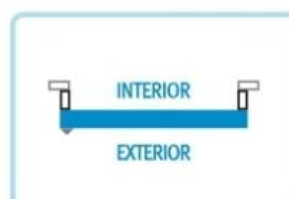
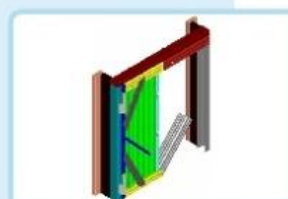
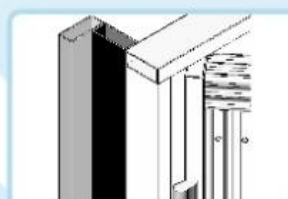


## sujeciones puertas de ballesta tipo 1

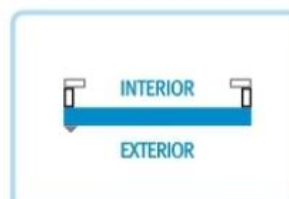
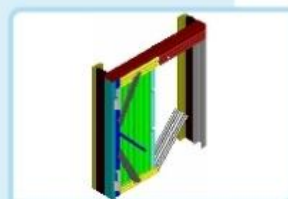
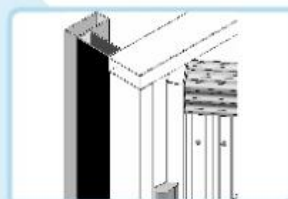
**1.1**  
Desplaza normal (doble marco)



**1.2**  
Desplaza y solapa exterior



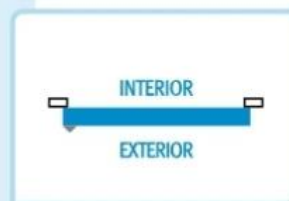
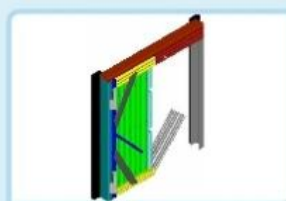
**1.3**  
Desplaza y solapa interior



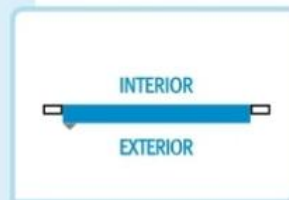
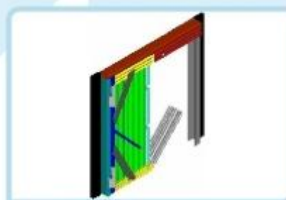
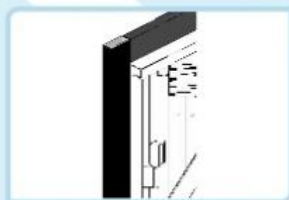


## sujeciones puertas de ballesta tipo 2

### 2.1 Solapada normal

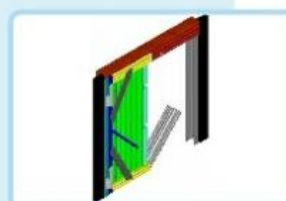
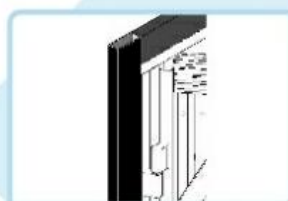


### 2.2 Solapada a ras (interior)



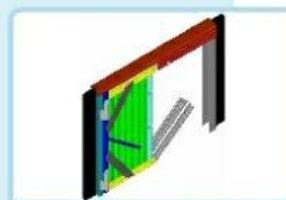
## sujeciones puertas de ballesta tipo 2

**2.3**  
Tubo modo tapajunta



INTERIOR  
EXTERIOR

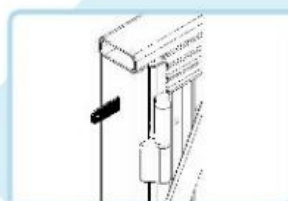
**2.4**  
Solapada centro marco



INTERIOR  
EXTERIOR

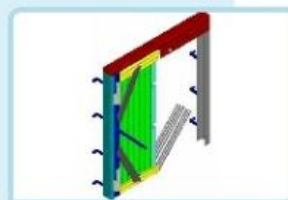
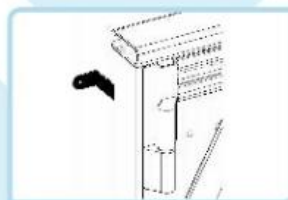
## sujeciones puertas de ballesta tipo 3

**3.4**  
Orejetas centro marco



INTERIOR  
EXTERIOR

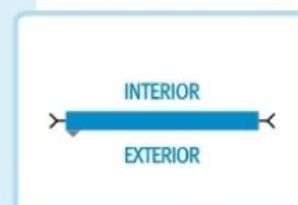
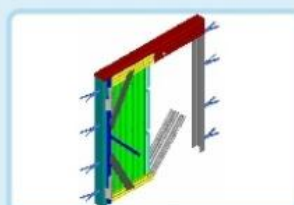
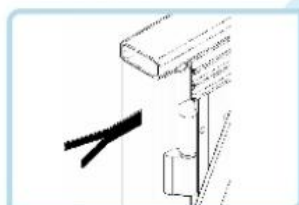
**3.5**  
Orejetas desplazadas y solapadas



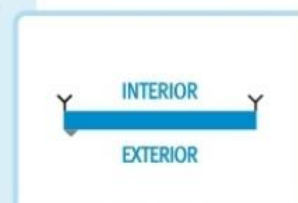
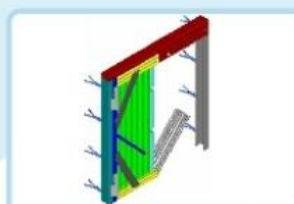
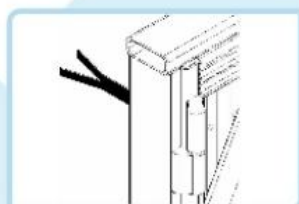
INTERIOR  
EXTERIOR

## sujeciones puertas de ballesta tipo 4

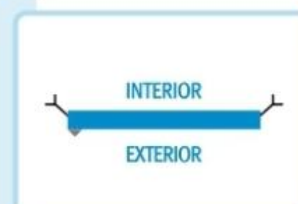
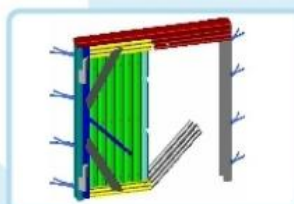
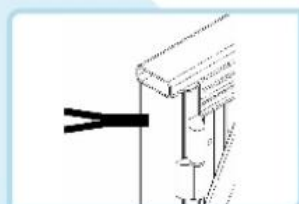
### 4.1 Garras normales



### 4.2 Garras doble marco



### 4.3 Garras inclinadas hacia dentro



# RALES

RAL 1001  
Beige

RAL 1002  
Amarillo  
arena

RAL 1004  
Amarillo  
oro

RAL 1011  
Beige  
Marrón

RAL 1013  
Blanco  
perla

RAL 1015  
Marfil claro

Pantone  
466

Pantone  
465

Pantone  
124

Pantone  
4645

Pantone  
468

Pantone  
726

RAL 1013  
Blanco  
perla

Pantone  
468

RAL 1015  
Marfil claro

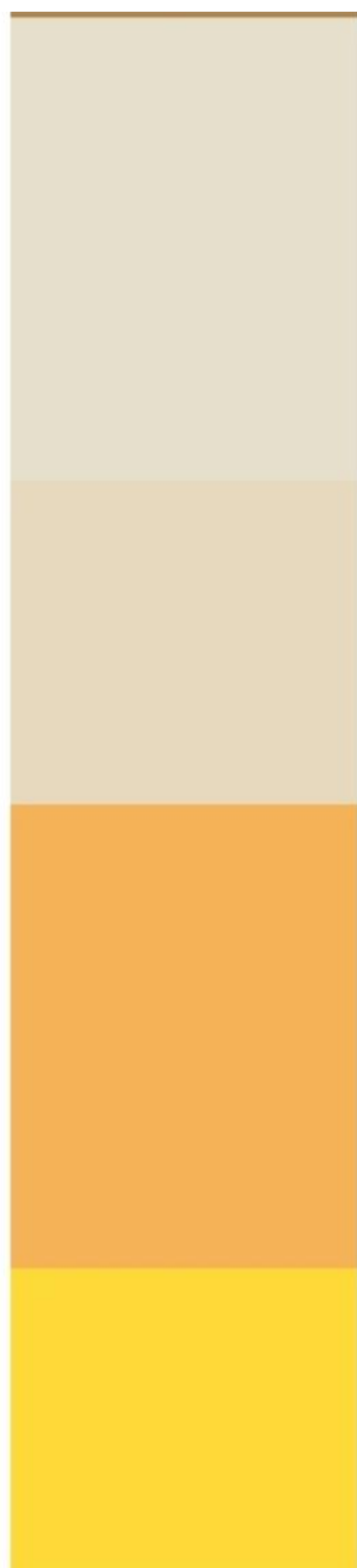
Pantone  
726

RAL 1017  
Amarillo  
azafrán

Pantone  
150

RAL 1018  
Amarillo

Pantone  
122



RAL 1020  
Amarillo  
oliva

Pantone  
4505

RAL 1027  
Amarillo  
curry

Pantone  
1255

RAL 1034  
Amarillo  
pastel

Pantone  
7411

RAL 2003  
Naranja  
pálido

Pantone  
164

RAL 2004  
Naranja  
puro

Pantone  
1655

RAL 2010  
Naranja  
señales

Pantone  
1665

RAL 2011  
Naranja  
intenso

Pantone  
1585



RAL 3002  
Rojo  
carmín

Pantone  
187

RAL 3003  
Rojo rubí

Pantone  
704

RAL 3004  
Rojo  
púrpura

Pantone  
491

RAL 3005  
Rojo vino

Pantone  
490

RAL 3007  
Rojo  
negruzco

Pantone  
4975

RAL 3011  
Rojo  
Marrón

Pantone  
1815

RAL 3012  
Rojo beige

Pantone  
7515

RAL 3020  
Rojo  
tráfico

Pantone  
485





|                               |                                                                                     |                    |                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| RAL 4010<br>Magenta<br>tele   |     | Pantone<br>675     |     |
| RAL 5002<br>Azul<br>ultramar  |    | Pantone<br>288     |    |
| RAL 5004<br>Azul<br>negruzco  |    | Pantone<br>Black 6 |    |
| RAL 5005<br>Azul<br>señales   |   | Pantone<br>294     |   |
| RAL 5007<br>Azul<br>brillante |  | Pantone<br>647     |  |
| RAL 5008<br>Azul<br>grisaceo  |  | Pantone<br>433     |  |
| RAL 5009<br>Azul azur         |  | Pantone<br>3025    |  |

|                               |                                                                                     |                    |                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| RAL 5011<br>Azul acero        |     | Pantone<br>289     |     |
| RAL 5012<br>Azul<br>luminoso  |    | Pantone<br>7461    |    |
| RAL 5013<br>Azul<br>cobalto   |    | Pantone<br>5255    |    |
| RAL 5014<br>Azul<br>colombino |   | Pantone<br>646     |   |
| RAL 5015<br>Azul<br>celeste   |  | Process<br>Blue 2X |  |
| RAL 5017<br>Azul tráfico      |  | Pantone<br>2945    |  |
| RAL 5021<br>Azul agua         |  | Pantone<br>3155    |  |
| RAL 5022<br>Azul noche        |  | Pantone<br>276     |  |
| RAL 5023<br>Azul<br>..        |  | Pantone<br>5405    |  |

RAL 6004  
Verde  
azulado

Pantone  
316

RAL 6005  
Verde  
musgo

Pantone  
3308

RAL 6009  
Verde  
abeto

Pantone  
5467

RAL 6011  
Verde  
reseda

Pantone  
8321

RAL 6014  
Amarillo  
oliva

Pantone  
Black 7

RAL 6017  
Verde  
mayo

Pantone  
364

RAL 6018  
Verde  
amarillento

Pantone  
363



RAL 6029  
Verde  
menta



Pantone  
349



RAL 7001  
Gris plata



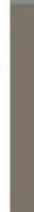
Pantone  
444



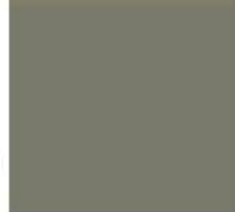
RAL 7002  
Gris oliva



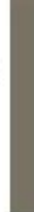
Pantone  
404



RAL 7003  
Gris musgo



Pantone  
417



RAL 7004  
Gris  
señales



Pantone  
443



RAL 7005  
Gris ratón



Pantone  
431



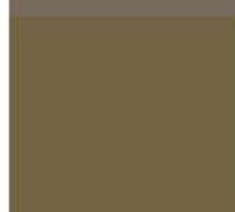
RAL 7006  
Gris beige



Pan  
Warm  
grey 10



RAL 7008  
Gris caqui



Pantone  
7497



RAL 7010  
Gris lona



Pantone  
425



RAL 8014  
Sepia

Pantone  
7533

RAL 8015  
Marrón

Pantone  
175

RAL 8016  
Caoba

Pantone  
4695

RAL 8017  
Chocolate

Pantone  
497

RAL 8019  
Marrón  
grisáceo

Pantone  
412

RAL 8023  
Marrón  
anaranjado

Pantone  
471

RAL 8024  
Marrón  
beige

Pantone  
4705

RAL 8025  
Marrón  
pálido

Pantone  
4705

RAL 8028  
Marrón

Pantone  
4695

RAL 7034  
Gris  
amarillento

Pantone  
416

RAL 7035  
Gris  
luminoso

Pantone  
5445

RAL 7036  
Gris platino

Pantone  
423

RAL 7037  
Gris polvo

Pantone  
424

RAL 7038  
Gris ágata

Pantone  
429

RAL 7039  
Gris cuarzo

Pantone  
431

RAL 7040  
Gris  
ventana

Pantone  
443

RAL 7042  
Gris tráfico  
A

Pantone  
430

RAL 7043  
Gris tráfico

Pantone  
446

RAL 9005  
Negro  
intenso



Pantone  
Black 3  
2x



RAL 9006  
Aluminio  
gris claro



Pantone  
Cool  
gray 5



RAL 9007  
Aluminio  
gris



Pantone  
424



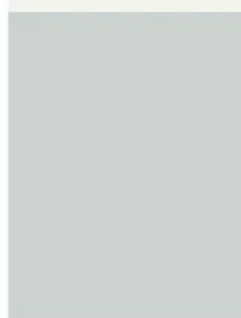
RAL 9010  
Blanco  
puro



Pantone  
9043



RAL 9018  
Blanco  
papiro



Pantone  
441

