

TEST REPORT

EN 14428

Shower enclosures – Functional requirements and test methods

Report Reference No.....: GZ10010951-3

Tested by (name and signature).....: Syanson Xu



Approved by (name and signature) ..: Starry Li



Date of issue.....: Mar 5, 2010

Contents: Total test report 13 pages including:
Report text: 6 pages
Appendix A for product photos: 1 page
Appendix B for product drawings: 2 pages
Appendix C for instructions: 4 pages

Testing Laboratory name: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address: Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China 510663

Testing location: Same as above

Applicant's name: Hangzhou Showersun Bathroom ware Co., Ltd

Address: Hezhuang Industrial Zone, Xiaoshan, Hangzhou city, Zhenjiang Province, China

Test specification

Standard.....: EN 14428:2004+A1:2008

Non-standard test method.....: N/A

Test Report Form No.....: TTRF EN 14428:2004+A1:2008 A

TTRF Originator: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Master TTRF: Dated 2008-01

Test item description: Shower Enclosure

Trade Mark: —

Model and/or type reference.....: Manufacturer's model: 87B05
Customer's model: PDA10

Manufacturer: Hangzhou Showersun Bathroom ware Co., Ltd

Rating(s): —

Copy of marking plate and summary of test results (information/comments):

The CE marking symbol shall be shown on the product (or when not possible it may be on the accompanying label, the packaging or on the accompanying commercial documents, e. g. a delivery note)

CE marking for Shower enclosure



Summary of testing:

The submitted sample was evaluated to **COMPLY WITH** all applicable requirements of EN14428:2004+A1:2008.

Test item particulars

Classification of installation and use : Used for personal hygiene

Supply Connection..... : —

Possible test case verdicts

- test case does not apply to the test object..... : N/A

- test object does meet the requirement : P(Pass)

- test object does not meet the requirement : F(Fail)

Testing

Date of receipt of test item : Jan 25, 2010

Date (s) of performance of tests : Jan 25, 2010 to Feb 10, 2010

General remarks:

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"(see remark #)" refers to a remark appended to the report.

"(see Appendix #)" refers to an appendix appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

When determining the test result, measurement uncertainty has been considered.

General product information:

Models	Description
Manufacturer's model: 87B05 Customer 's model: PDA10	6mm thick transparent tempered glass, aluminium wall profile, without shower tray. Overall size: 900x900x1850mm.

EN 14428			
Clause	Requirement - Test	Result - Remark	Verdict
4	Requirements		—
4.1	General The manufacturer shall provide with each shower enclosure detailed instructions on installation and use, to include at least the following information:		P
	Description of installation with special consideration of building construction and necessary tools and sealant		P
	Instructions for appropriate maintenance and care		P
4.2	Cleanability		P
	The surfaces of the components of the shower enclosures which are accessible during use and cleaning shall be free from sharp corners, edges and burrs		P
	Using recommended cleaning agents in accordance with the manufacturer's installation and care instructions, there shall be no reduction in safety or function of the shower enclosure.		P
4.3	Impact resistance/shatter properties		P
4.3.1	General Shower enclosures may be glazed with various materials.....:	Tempered glass and Aluminium Alloy Frame were used.	P
4.3.2	Thermally toughened safety glass Shall meet requirements of EN 12150-1:2000, or minimum particle counts shall be 40.....:	Refer to report GZ10010951-2. The particle count was 101.	P
4.3.3	Plastic materials Sheets shall not break or they shall break safely		N/A
4.4	Durability		P
4.4.1	General Products conforming to the requirements of 4.2 and 4.3 and the following are deemed to be durable.		P
4.4.2	Corrosion resistance		P
	All components shall consist of corrosion-proof materials or shall be corrosion-protected		P
	All corrosion protection shall conform to the relevant requirements specified in European and International Standards.....:	After 96 hours test with 5% neutral salt solution according to ISO 9227, plated surface of parts showed no corrosion.	P

EN 14428			
Clause	Requirement - Test	Result - Remark	Verdict
4.4.3	Resistance to chemicals and stains The glazing materials shall not show permanent staining or deterioration.....:	Not show permanent staining or deterioration	P
4.4.4	Resistance to wet and dry cycling The glazing materials shall not show any cracks, crazing or discoloration.....:	Not show any cracks, crazing or discoloration.	P
4.4.5	Endurance Shower enclosures shall not show any functional deterioration after 20 000 closing-opening cycles.....:	No functional deterioration.	P
4.4.6	Shower enclosures shall withstand an energy representing the impact of a human body on a large impact area without any functional deterioration which could result in injury to the user.	No functional deterioration.	P
4.4.7	Water retention Shower enclosures shall retain water. A few small drops of water on the outside of the water retaining area are acceptable.....:	No leakage.	P
4.5	Dangerous substances		NPD
6	Marking		P
	Name or identifying mark and registered address of the manufacturer.....:	See the Marking on page 2	—
	The last two digits of the year in which the marking is affixed.....:	10	—
	Reference to this European Standard.....:	EN 14428:2004+A1:2008	—
	Information to those relevant characteristics.....:	All essential characteristics are satisfied	—
7	Evaluation of conformity		—
7.1	General The compliance of a shower enclosure with this standard shall be demonstrated by clause 7.2 and 7.3		P
7.2	Initial type testing		P
7.2.1	General Type testing shall be performed before the product is put on the market for the first time and each time when its characteristics are changed.		P

EN 14428			
Clause	Requirement - Test	Result - Remark	Verdict
7.2.2	Samples, testing and compliance criteria The shower enclosure shall be subjected to and pass the relevant tests in Table 3		P
7.3	Factory Production Control (FPC)		P
7.3.1	General The manufacturer shall establish, document and maintain a factory production control (FPC) system to ensure that the products placed on the market conform with the stated performance characteristics.	The applicant supplied ISO 9001 certificate.	P
7.3.2	Test equipment All weighing, measuring and testing equipment shall be calibrated and regularly inspected according to documented procedures, frequencies and criteria.	The applicant supplied ISO 9001 certificate.	P
7.3.3	Raw materials and components The specifications of all incoming raw materials and components shall be documented, as shall the inspection scheme for ensuring their conformity.	The applicant supplied ISO 9001 certificate.	P
7.3.4	Product testing and assessment The manufacturer shall establish and document procedures to ensure that the stated values of all of the characteristics are maintained.	The applicant supplied ISO 9001 certificate.	P
7.3.5	Non-conforming products If during the factory production control non-conforming products are detected, there shall be immediately implemented measures for correction of failure and handling defective products	The applicant supplied ISO 9001 certificate.	P

*****End of this page*****

Appendix A**Product photo**

	
Close view	Open view
	Blank
Accessories	

Appendix B

Product drawing

MODEL:87B05
SIZE:900X900X1850MM

A		X8	D		X2	G		X4
B		X4	E		X4	H		X8
B1		X4	F		X2	I		X8
C		X8	E1		X4	I1		X8
H1		X8	H2		X4			

1464mmX2

Tolerance:±2MM

87B05

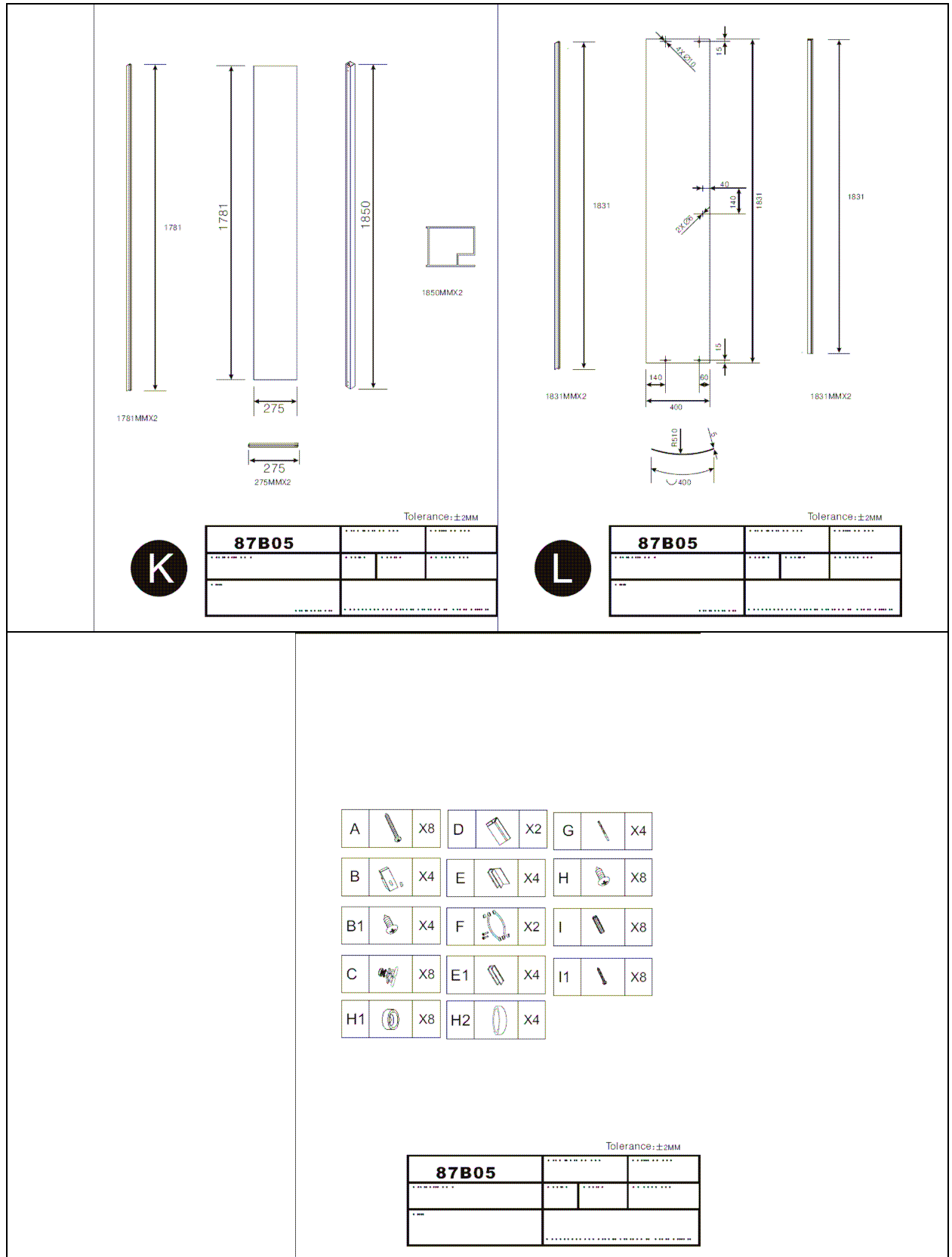
M

1850mmX2

Tolerance:±2MM

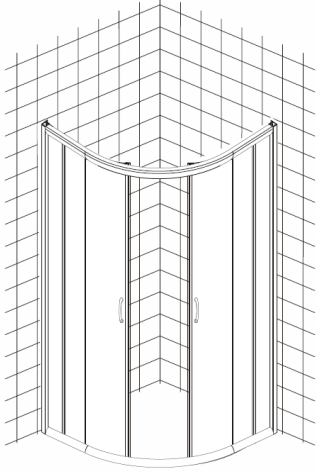
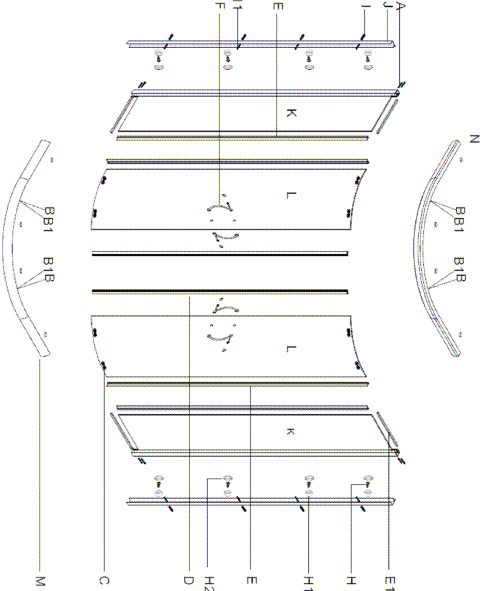
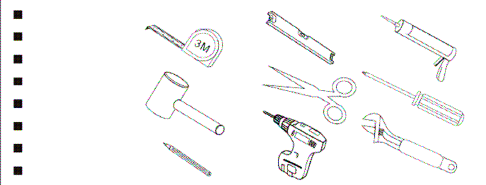
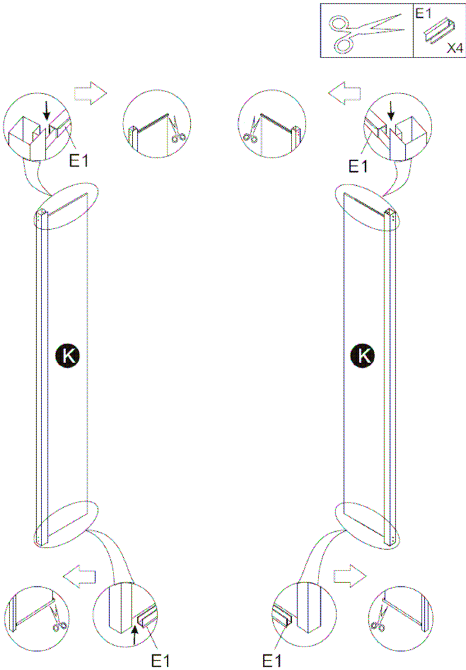
87B05

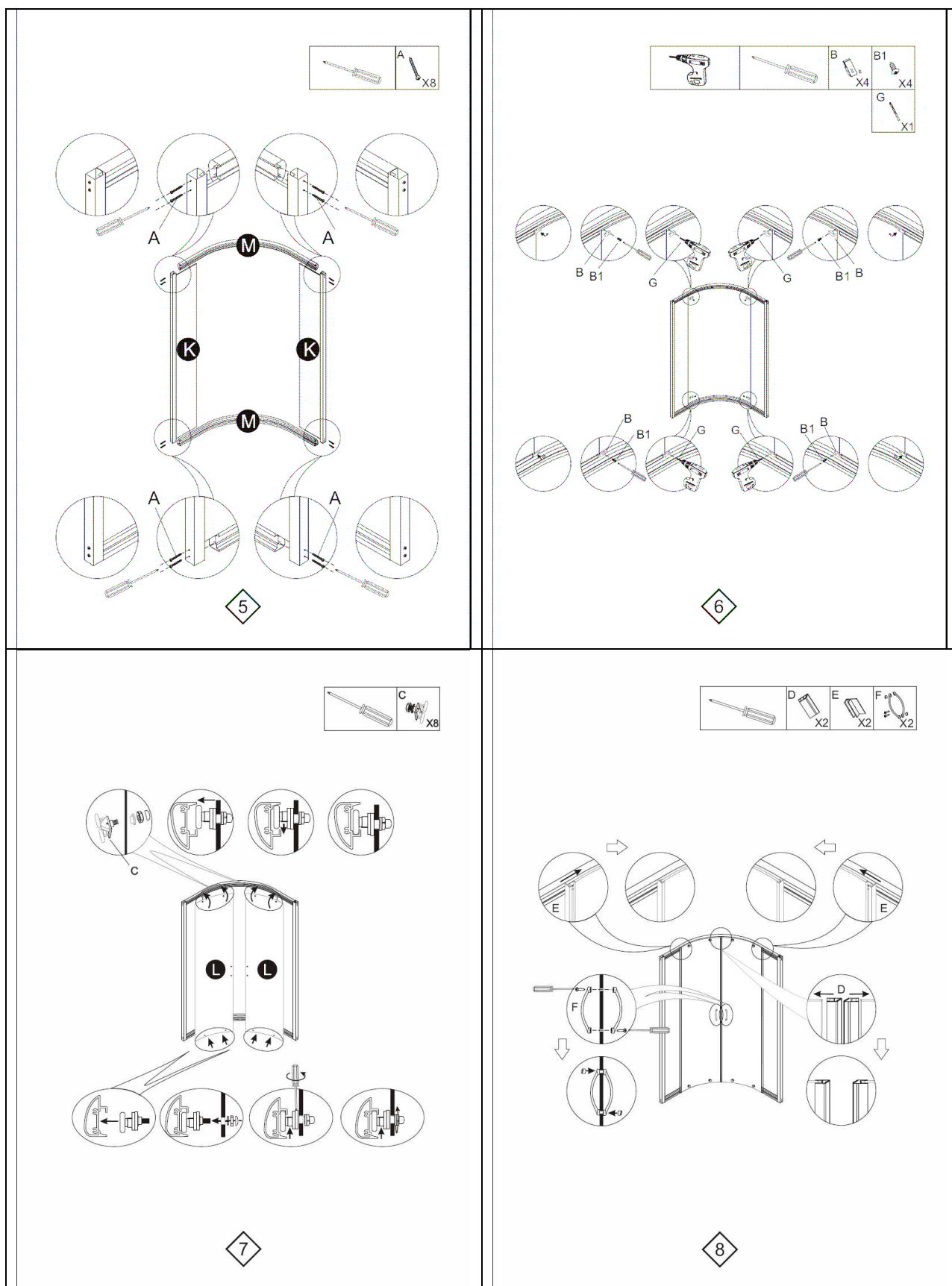
J

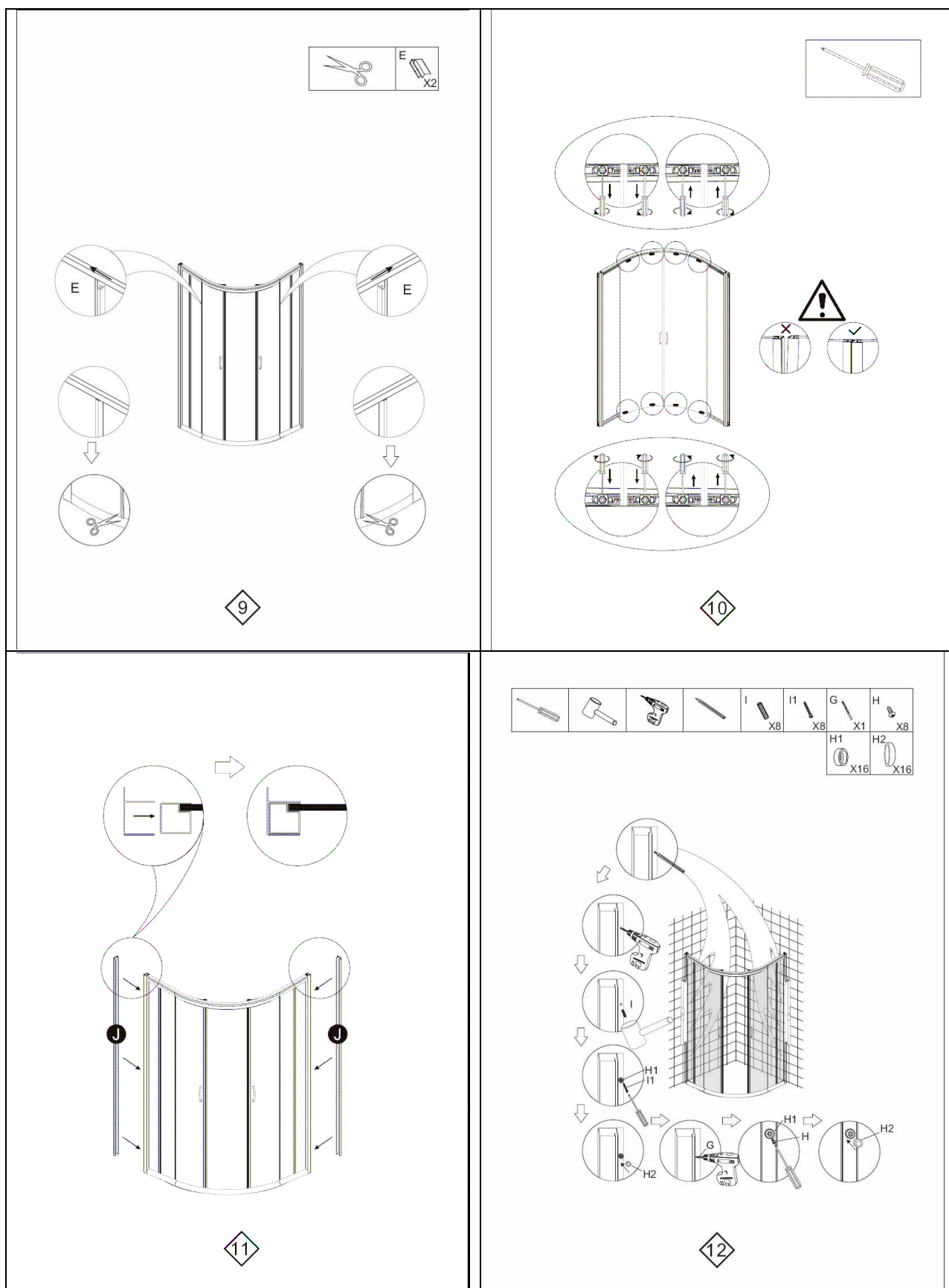



Appendix C

Instructions

<p>paroi de douche ¼ de cercle 90*90*185cm Verre transparent 6mm Profile chrome</p>  <p style="text-align: center;">1</p>	 <p style="text-align: center;">2</p>																																																						
 <table border="1"> <tbody> <tr> <td>A</td><td></td><td>X8</td> <td>E</td><td></td><td>X4</td> <td>I</td><td></td><td>X8</td> </tr> <tr> <td>B</td><td></td><td>X4</td> <td>F</td><td></td><td>X2</td> <td>I1</td><td></td><td>X8</td> </tr> <tr> <td>B1</td><td></td><td>X4</td> <td>E1</td><td></td><td>X4</td> <td>L</td><td></td><td>X2</td> </tr> <tr> <td>C</td><td></td><td>X8</td> <td>G</td><td></td><td>X1</td> <td>J</td><td></td><td>X2</td> </tr> <tr> <td>D</td><td></td><td>X2</td> <td>H</td><td></td><td>X8</td> <td>M</td><td></td><td>X2</td> </tr> <tr> <td>K</td><td></td><td>X2</td> <td>H1</td><td></td><td>X16</td> <td>H2</td><td></td><td>X16</td> </tr> </tbody> </table> <p>KIT VISserie: P901/4CHVT6 : A+B+B1+G+H+H1+I+I1+H2 KIT 8 ARRETOIRS DE PORTE: N</p> <p style="text-align: center;">3</p>	A		X8	E		X4	I		X8	B		X4	F		X2	I1		X8	B1		X4	E1		X4	L		X2	C		X8	G		X1	J		X2	D		X2	H		X8	M		X2	K		X2	H1		X16	H2		X16	 <p style="text-align: center;">4</p>
A		X8	E		X4	I		X8																																															
B		X4	F		X2	I1		X8																																															
B1		X4	E1		X4	L		X2																																															
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D		X2	H		X8	M		X2																																															
K		X2	H1		X16	H2		X16																																															





	<p>SILICONER A L'INTERIEUR ET A L'EXTERIEUR POUR ASSURER L'ETANCHEITE A L'AVANT ET A L'ARRIERE</p> <p>IMPORTANT : UTILISER DU SILICONE SANITAIRE</p> <p>Une fois le silicone sec (environ 24h), faire un essai en eau pour vérifier l'étanchéité de la paroi de douche</p> <p><u>Entretien</u></p> <ul style="list-style-type: none"> - Ne pas utiliser de produit de nettoyage, type abrasif et poudre récurante, ni d'alcool à brûler ou décapant. - Nettoyer à l' aide d' une éponge douce et à l' eau savonneuse. - Rincer à l' eau tiède - Essuyer avec un chiffon doux <p><u>ATTENTION</u></p> <p>Ne pas mettre en contact avec des objets coupants ou tranchants. Ne pas mettre en contact avec une source de chaleur (ex?: cigarette, briquets...) Ne pas utiliser de déboucheurs chimiques et de produits à solvant.</p> <p><u>CONDITION DE GARANTIE</u></p> <p>La garantie couvre les éventuels défauts de fabrication reconnue par notre service après vente dans la mesure où l'installation est réalisée dans les règles de l'art et conformément aux instructions de montage</p> <p>La garantie de cette paroi de douche s'applique pour :</p> <p>Les pièces détachées présentant un vice de forme Les pièces détachées manquantes dans le colis si déclaration du client au maximum 20 jours après la date d'achat sur présentation de sa facture.</p> <p>La garantie de cette paroi de douche ne s'applique pas :</p> <p>Sur toutes les constatations de casse dès la réception en magasin ou chez le client. Sur toutes les pièces manquantes au-delà de 20 jours après la date d'achat. Sur toutes les dégradations causées par l'entretien du produit avec des nettoyants contre indiqués par la notice de montage Sur les éventuels frais de pose et dépose Sur les défauts liés à une utilisation anormale Sur les défauts liés au transport ou à une mauvaise manutention</p> <div style="text-align: center;">  </div>	
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