STORAGE & HANDLING OF CGATE PRODUCTS

CGATE FLEXIBLE MEDIA*	
GENERAL	Cgate flexible media can be used for both indoor and outdoor applications, large format printed advertising, banners, signs, tents, flags, window film, truck covers and more.
PRINTERS	Cgate banner is suitable for most solvent and eco-solvent printers. The majority of Cgate banner products are suitable for Latex machines.
TRANSPORTING	Cgate banner rolls are packed either in cartons (up to 1.80m) or in rigid tubes (1.80m – 5.0m rolls). Cartons should be packed on pallets and not stacked more than 10 layers during transportation. The pallet should be at least as long as the carton so the ends of the boxes are protected. Rigid tubes should be stacked on pallets in a pyramid. All banner rolls should be packed horizontally. No more than 2 pallets should be stacked and heavy objects should not be put on top of the pallets. Keep water, oil or sharp objects away from the cartons and tubes.
STORAGE	All banner should be stored indoors in a dry, temperature controlled and well ventilated warehouse. Rolls in cartons should be stacked in neat piles on a pallet of the same size without overhang. Do not store rolls across each other or vertically For long-term storage, do not stack more than 6 layers Do not hold in storage for more than 6 months.
PRINTING & HANDLING OF MEDIA	The print surface is usually the inside surface unless the customer has asked specifically for the print surface to be facing out. The recommended temperature for handling rolls is 10-30 degrees centigrade The recommended humidity for handling rolls is 30-60% Ensure that the work surfaces and tools are clean when handling banner.

CGATE FLEXIBLE MEDIA*	
PRINTING & HANDLING OF MEDIA	When opening and printing on media, the operator should water clean gloves to prevent marks on the media surface. If the complete roll has not been used, it should returned to the original protective packing, taped securely and inserted into the box or tube packing. If left on the printer for any length of time, the media should be covered with protective packing. Never drop rolls or store leaning against the wall.
PRINTER SETTINGS	Media rolls should be level and have equal pressure applied along the machine roller Pressure should be set individually for each machine to suit the speed of the feed wheel to ensure that the media does not crease, lift or make contact with the print heads
OTHER RECOMMENDATIONS	If possible, each project should use the same batch of media If the media is to be installed in strong sunlight and for long periods of time, it is recommended that a UV coating is used. If the media is to be installed where temperatures are very low, Cold-resistant media should be used. Check the specifications of the media if it is to be installed in conditions of low temperatures and high winds and if necessary select a high-strength product.
* **These guidelines apply to the following products**	Laminated frontlit and backlit banner Coated frontlit banner Blockout banner One Way Vision Mesh Textile

ALUMINIUM COMPOSITE PANELS (CBOND)

STORAGE	Panels should be stored flat on pallets in a clean, dry and frost free space. Pallets should be kept on a level surface with full support Keep panels in the original packing until needed. Recommended storage period – up to 6 months.
TRANSPORTATION	Panels should be flat during transportation. If the pallet is put on its side, it should be vertical to the floor, never leaning against the side.
LOADING & UNLOADING	Care should be taken not to damage the panel surface during loading and unloading * Handling and moving pallets and panels should only be done with professional moving equipment
PROTECTIVE FOILS	The protective foil on Cbond panels is composed of black and white double polyethylene polythene The protective foil should come off easily and cleanly if stored in optimum conditions and within 6 months. However, if some residue does remain after removal of the foil, it can be cleaned with a sift cloth and mild detergent. ** Avoid using any kind of acid or solvent to clean the panels.
PRINTING	Printing and processing temperatures should range between -30ºc to +70ºc
CUTTING (BLADES)	Recommended blades for cutting ACP*: 12" Wood Blade with 60 teeth 12" Aluminium Blade with 96 teeth 14" Wood Blade with 72 teeth * The aluminium blades have more teeth than the wood blades but the wood blades last longer
CUTTING PROCESS	Speed of cutting depends on the quantity of material being cut at once and how sharp the blade is. The larger the quantity, the slower the speed. Likewise, as the blade nears the sharpening stage, cutting should be slower.

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Lifting the sheets from the pallet should be carried out by three people; two people to hold the sheet at each end of the short sides while one person supports the sheet in the middle.

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If the location of the installation is in a high polluted area (i.e. industrial, main road or similar), frequent cleaning should be carried out. It is highly recommended that the local supplier be consulted about the cleaning and frequency of cleaning prior to installation in order to exceed the recommended durability of the sheets. For Brushed ACP or special structure coating for outdoor installation, please contact the local supplier regarding cleaning and sealing procedures.

ALUMINIUM COMPOSITE PANELS (CBOND)

FABRICATION GUIDE	Cbond can be shaped using a routing and folding technique. A V-shaped groove should be routed in the reverse side of the panel using a disk or end milling cutter. The grooves can also be made using a vertical panel saw with a panel routing machine or a hand routing machine. It is important to leave a thin layer of the core material intact at the base of the groove on the inside of the outer side of the sheet. The outer side of the sheet can then be bent manually. The result is an exact and clean fold which follows the routed groove. The outer radius of the fold depends on the depth and shape of the groove. The whole folding should be done in one action, exceeding the desired angle by 10-20 degrees, meaning that the bending/folding should not be repeated as it weakens the material and could cause it to break. By bending slightly past the desired angle, it can be eased back to the correct position without repeated bending. Note: To bend a long and narrow panel, we recommend using a bending aid made from an ACP panel and a joint U or H shape profile. Bending with a brake press: Cbond panels can also be formed with a brake press in the manner used for full metal sheets. In this case the "airbending" process is applied as follows: Rest the panel on the edge of the die and bend by using the punch (tube or shaft). The bending angle is determined by the width of the die and the stroke of the punch. Bending with a folding machine: In this case the ACP panel is clamped between two cheeks. The projecting edge is bent around the upper clamping cheek using a movable swivel bar. The bending angle is determined by interchangeable formers attached to the upper clamping cheek. Bending with a roll bending machine: As with full metal panels, ACP panels can be bent with roll bending machines – mainly with three-roll or four-roll machines.

FREE FORM PVC

STORAGE & HANDLING	Panels should be protected from the weather (sun, rain etc.) at all times. Store in a dry clean environment at a temperature no higher than 40ºc. Any heat source should be at least 1m away from the panels
TRANSPORTATION	Care should be taken while loading and unloading panels
PRINTING	If the sheets have been stored at temperatures below 0ºc, they should be kept at a normal room temperature for at least 24 hours before usage.