Manual

Swingbar crates

Product code:
5025 - 5066

August 2013

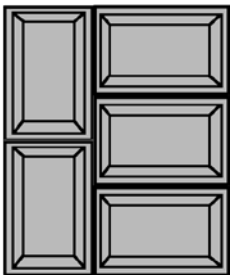
010_UK Cleaning instructions

The following cleaning instructions apply to all CurTec products made of polyethylene and polypropylene.

- The best results are obtained by using an industrial washing installation equipped with sprinklers or by using a so-called *Ultra-Sonic* installation.
- The most suitable detergent is a low-foam alkaline product with a pH value of 10 to 12 (in solution).
- The recommended temperature of the washing water is between 40 °C and 50 °C.
- The temperature of the rinsing water should be no higher than 65 °C.
- The washing cycle at the above temperature should last no longer than 35 seconds. The final rinse at the temperature mentioned should take at most 20 seconds. This prevents the plastic from fully heating up and displaying signs of shrinkage.
- Assisted drying of the products can be done with a cold air stream. When using heated air, assisted drying should last no longer than 30 seconds at a temperature of no more than 65 °C.
- The assisted drying and drying areas of the installation should be adapted to the product, so that poorly accessible parts of the product are also dried.
- For specific technical information, you are advised to consult the various suppliers of industrial washing installations. CurTec can offer assistance.

Note: You should regularly check the thermostats and the time settings of your equipment.

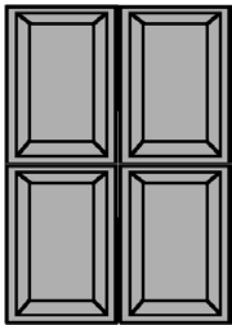
016_UK Palletising



The crates should never be put under a heavier load than prescribed in these instructions. The swingbar crates should be stacked in accordance with instruction 022_UK. When stacking the crates, the weight of a stacked crate is supported by the swing bars of the crate below. It is essential that the four corner portions (the stacking profiles) of the lowest crate in a stack are properly supported by a pallet, spacer board or bottom board.

F1

F1 shows the stacking of swingbar crates (600 x 400 mm) on a pallet of 1000 x 1200 mm.



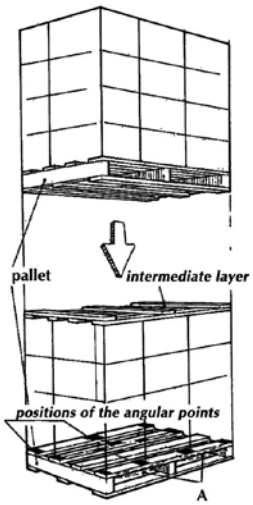
F2

F2 shows the stacking of swingbar crates (600 x 400 mm) on a pallet of 800 x 1200mm.

The thickness of the top deck boards on reusable pallets should be at least 20 mm. Disposable pallets should have top deck boards with a thickness of at least 15mm and should not be stacked when loaded.

Caution!!

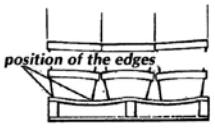
The crates should not protrude by more than 10 mm beyond the pallet. For that reason, we recommend that spacer boards are made ±15 mm longer and wider than indicated alongside. This offers a little more leeway when stacking.



If you intend to stack crates, you should have pallets of adequate strength. With weak pallets, the crates may become distorted as illustrated in the bottom figure. As a result, the crates will not be optimally supported and the stacking load may be exceeded.

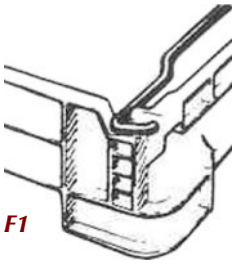
When stacking several pallets on top of each other, the bottom deck of the pallet to be stacked should be identical to the top deck of the pallet below.

If the bottom deck is not identical to the top deck, use a spacer board. All the stacks of crates on the bottom pallet must be equal in height. All the crates on the bottom pallet must be of the identical type. The materials and finishing of the pallet must be of a high standard. Disposable pallets should not be used when stacking loaded pallets.



The top pallet must be adequately supported by the corner portions of the crates on the bottom pallet. For the permissible stacking heights of crates, see the appropriate instructions.

020_UK Stacking/nesting



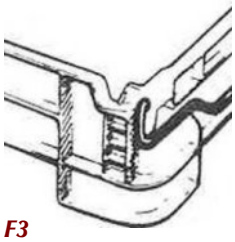
F1

When stacking these crates, the bars should be folded inward, as shown in F1. If a lid is used, the lid should be placed on the crate first and then the bar should be folded in. The bottom of the crate stacked on top will be supported by the bar.

F2

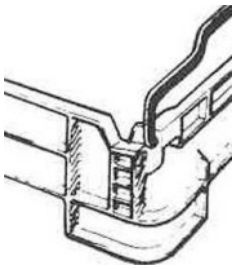
Caution!!

Never nest a bigger crate into a smaller crate.



F3

When nesting, i.e. fitting empty crates into each other, the bars should be folded outward. This is shown in F3. You must ensure that the smaller crates are placed in the larger-sized crates.



F4

The swingbar crates can be moved easily by hand. You can lift them along the edges, by the handles - if present - or by the bars. See F4.

021_UK Weight and capacity

The following table lists the weight of the crate and the corresponding maximum weight of the content. The weight of the crate content should be spread across the bottom as evenly as possible. Depending on the weight, the temperature and the time interval, the bottom of the crate may sag somewhat. After the crate has been emptied, the sagging will fully or partially disappear.

Crate nr.	Capacity	Weight crate	Max. weight of content
5025	20 L open	1,65 kg	20 kg
5026	20 L closed	2,0 kg	20 kg
5035	30 L open	1,8 kg	25 kg
5036	30 L closed	2,2 kg	25 kg
5045	45 L open	2,13 kg	30 kg
5046	45 L closed	2,35 kg	30 kg
5065	60 L open	2,43 kg	30 kg
5066	60 L closed	2,55 kg	30 kg

T1

In T2 the maximum number of crates is shown which can be stacked up to 198 cm. (incl. pallet). In addition, the maximum load on the bottom crate is shown at the maximum weight of the content indicated in T1. Instruction 022_UK describes how long such a stack can be left standing.

Crate nr.	Max. crates in a stack	Max. load on bottom crate
5025-5026	16	330 kg
5035-5036	12	300 kg
5045-5046	8	230 kg
5065-5066	6	165 kg

T2

Caution!

The crates can be used for the storage of goods at temperatures between -35°C and +35°C. At temperatures below -10°C, knocking and impact strains should be avoided.

Normal road transport is possible, provided the following requirements are met:

- The pallets must be loaded in accordance with these instructions.
- The total driving time must not exceed 25 hours.
- The temperature in the loading area during transport must not exceed 35°C.
- The load on the bottom crate must be in accordance with Table 2.

022_UK Stacking

The maximum load-bearing capacity of the bottom crate in a stack is dependent on:

- The number of crates in the stack
- The weight of the content of each crate
- The ambient temperature
- The time interval during which the stack is left to stand
- The surface on which the stack is placed

T1 gives a summary of the maximum load-bearing capacities of the bottom crate at the ambient temperature and time interval indicated, whilst stacked on a hard surface or on pallets in accordance with instruction 016_UK.

			5025/ 5026		5035/ 5036		5045/ 5046		5065/ 5066	
Temp.	Time in months	Max. weight on bottom crate	Max. stacking height		Max. stacking height		Max. stacking height		Max. stacking height	
			crates	metres	crates	metres	crates	metres	crates	metres
≤ 0°C	0,5	495 kg	23	3,0	19	3,4	16	4,1	16	4,1
	1	445 kg	21	2,7	17	3,1	14	3,6	14	4,7
	3	390 kg	18	2,4	15	2,8	13	3,4	13	4,4
	6	350 kg	16	< 1,98	13	2,5	11	2,9	11	3,8
	12	320 kg	15	< 1,98	12	2,0	10	2,7	10	3,4
20°C	0,5	260 kg	12	< 1,98	10	< 1,98	9	2,4	9	3,1
	1	235 kg	11	< 1,98	9	< 1,98	8	< 1,98	8	2,8
	3	200 kg	10	< 1,98	8	< 1,98	7	< 1,98	7	2,5
	6	170 kg	8	< 1,98	7	< 1,98	6	< 1,98	6	< 1,98
	12	160 kg	5	< 1,98	6	< 1,98	6	< 1,98	6	< 1,98
35°C	0,5	160 kg	8	< 1,98	6	< 1,98	5	< 1,98	5	< 1,98
	1	140 kg	7	< 1,98	6	< 1,98	5	< 1,98	5	< 1,98
	3	120 kg	6	< 1,98	5	< 1,98	4	< 1,98	4	< 1,98

T1

- T1 is based upon a maximum stacking height of 1,98 m. per pallet.
- The maximum stacking height should not exceed 6 metres.
- For stacks higher than 3 metres, the floor slope should not exceed 0.5%.
- In stacks of more than two pallets or higher than 4 metres, the crates should be strapped.

If stacks of crates are to be transported after long-term storage, the crates must first be restacked. This means that the bottom crate of the stack has to become the top crate and the original top crate has to move to the bottom. If the crates are to be stored again after transport, the crates have to be restacked once more.

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