

A MAGDA Six Step Worksheet
for Estimating Art Crate Dimensions & Weights
for a Traveling Exhibition

STEP 1. MEASURE AND INVENTORY ALL OF THE ARTWORKS TO BE PACKED

For example:

Artwork A	Oil painting	24x36x2	6 pounds
Artwork B	Photo/plexiglass	16x24x1	4 pounds
Artwork C	Acrylic painting	24x36x2	7 pounds
Artwork D	Bronze sculpture	12x12x22	22 pounds
Artwork E	Photo/plexiglass	16x24x1	4 pounds
Artwork F	Oil painting	36x24x2	7 pounds
Artwork G	Title page	24x16x1	4.5 pounds

STEP 2. IDENTIFY ARTWORKS OF SIMILAR SIZE TO BE PLACED INTO WHICH CRATES

The above inventory would be packed in three crates:

Crate I would include:

Artwork A	24x36x2
Artwork C	24x36x2
Artwork F	36x24x2

Crate II would include:

Artwork B	16x24x1
Artwork E	16x24x1
Artwork G	24x16x1

Crate III would include:

Artwork D	12x12x22
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STEP 3. FIGURE THE VOLUME OF ARTWORK NOT INCLUDING PACKING

Crate I	24x36x6
Crate II	16x24x3
Crate III	12x12x22

STEP 4. FIGURE THE ADDITIONAL SPACE NEEDED FOR PACKING THE ARTWORK

First adding 1 inch of packing between the three works, then adding 4 inches to each side. So, Crate I would first be 24x36x9, when adding 1 inch between artworks, but then add 4 inches of packing and crating to each side of this cube.

The crate estimate dimensions for Crate I would be	32x44x17
The crate estimate dimensions for Crate II would be	24x32x14
The crate estimate dimensions for Crate III would be	20x20x30

STEP 5. ESTIMATE THE COMBINED WEIGHT OF THE CONTENTS OF EACH CRATE

Crate I	20 pounds
Crate II	12.5 pounds
Crate III	22 pounds

STEP 6. ESTIMATE THE WEIGHT OF THE MATERIALS USED TO CONSTRUCT EACH CRATE, AND ADD THAT WEIGHT TO THE CONTENTS OF THE CRATE

Crate I would use:

2 – 4x8½ plywood @ 25 pounds for	50 pounds	
3 - 1x4x8 ft lumber @ 5 pounds for	15 pounds	
Foam packing materials	2 pounds	
Hardware	2 pounds	
	Total weight of materials	69 pounds
	Plus contents	20 pounds
	Crate I total weight	79 pounds

Crate II would use:

1 - 4x8x1/2 plywood @	25 pounds	
3 - 1x4x8 ft @ 5 pounds for	15 pounds	
Foam packing	2 pounds	
Hardware	2 pounds	
	Total weight of materials	42 pounds
	Plus contents	12.5 pounds
	Crate II total weight	54.5 pounds

Crate III

1 – 4x8x1/2 plywood @	25 pounds	
2 – 1x4x8ft @ 5 pounds for	10 pounds	
Foam packing	2 pounds	
Hardware	2 pounds	
	Total weight of materials	39 pounds
	Plus contents	22 pounds
	Crate III total weight	61 pounds

STEP 7. THE ESTIMATED SIZE AND WEIGHT FOR MAGDA TRAVELING EXHIBITION

Crate I	32x44x17	79 pounds
Crate II	24x32x14	54 pounds
Crate III	20x20x30	61 pounds