

PHYSICAL DEMANDS ANALYSIS (EXAMPLE)
COMMERCIAL GLAZER

JOB DESCRIPTION

TASK #	TASK DESCRIPTION	% OF SHIFT
1	Job preparation and site openings.	20%
2	Install clips.	15%
3	Stand and secure the frame.	15%
4	Secure clips.	20%
5	Glaze.	15%
6	Drive to/from area.	10%
7	Drive to/from area.	5%

*The physical demands may vary depending on company and location.
 Confirm this physical demands analysis is an accurate representation of the specific job.*

ITEMS HANDLED

- Hand/power tools (drills-3 lbs., level 2 lbs., hammer-4 lbs., etc.)
- Chop saw
- 10' ladders with extensions
- Scaffolding equipment
- Scissor lifts
- Boom lifts
- Spray foam
- Caulking
- Clips
- Glass (up to 125 lbs.)
- Frames
- Caps (for aesthetics)
- Suction cups (to assist with glass)

PERSONAL PROTECTIVE EQUIPMENT

- Hard hat
- Steel toed boots
- Gloves
- Safety glasses
- High-visibility vest
- Fall arrest
- Long sleeves and pants
- Respiratory Protection
- Knee pads
- Hearing protection

ENVIRONMENTAL EXPOSURE

- Outdoor elements (heat, cold, wind, rain, snow)
- Noise exposure
- Chemical exposure (spray foam, caulking)

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JOB TITLE	COMMERCIAL GLAZER					LENGTH OF SHIFT (HRS)	8
JOB DESCRIPTION							
A Commercial Glazer installs glass.							
PHYSICAL JOB DEMANDS - Grade using a scale of 0 - 4							
0 = NOT REQUIRED		1 = SELDOM REQUIRED: < 5%			2 = MINOR REQUIREMENT: 5-33%		
-		Less than 30 minutes per day or not daily			30 minutes up to 3.5 hours per day or 1 repetition every 30 minutes		
3 = OCCASIONAL REQUIREMENT: 34-66%				4 = FREQUENT REQUIREMENT: 67-100%			
3.5 hours up to 6.5 hours per day or 1 repetition every 2 minutes				6.5 hours per day up to shift length or 1 repetition every 30 seconds			
INSTRUCTIONS: Place an X under number 0,1,2,3 or 4 to identify the frequency of each body demand or exposure.							
PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED	
WHOLE BODY DEMANDS							
SITTING			X			Drive to/from sites.	
SITTING WITH VIBRATION/JARRING	X					-	
DRIVING			X			Drive to/from sites.	
STANDING			X			Standing and securing frame, waiting for crew to secure glass into clips.	
RUNNING	X					-	
WALKING							
LEVEL				X		Throughout work area and site (indoors).	
UNEVEN GROUND	X					-	
SLOPES / RAMPS	X					-	
CLIMBING							
REGULAR STAIRS		X				To access various levels of site (dependent on site).	
STEEP STAIRS	X					-	
LADDERS			X			To access higher levels of openings/frame, as necessary.	
OTHER			X			Accessing boom lift, scissor lift, scaffolding equipment.	
LOW LEVEL WORK							
KNEELING		X				During glazing tasks (dependent on workers preference).	
SQUATTING		X				During glazing tasks (dependent on workers preference).	
CRAWLING	X					-	

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PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED
SPECIFIC BODY DEMANDS						
NECK MOVEMENTS						
BENDING						
SUSTAINED					X	Checking surroundings, during site preparation and clean up, traveling to/from site, applying membrane and spray foam/caulking, installing clips, standing, and securing frame, glazing tasks.
REPETITIVE	X					-
TWISTING						
SUSTAINED	X					-
REPETITIVE				X		Checking surroundings, during site preparation and clean up, traveling to/from site, applying membrane and spray foam/caulking, installing clips, standing, and securing frame, glazing tasks.
TRUNK MOVEMENTS						
BENDING						
SUSTAINED				X		During glazing tasks, placing glass, and framing into opening.
REPETITIVE	X					-
TWISTING						
SUSTAINED			X			During glazing tasks, placing glass, and framing into opening.
REPETITIVE	X					-
SHOULDER MOVEMENTS						
OVERHEAD				X		While installing clips, standing and securing frame, placing membrane and spray foam/caulking onto opening, during site preparation and clean up.
FORWARD REACHING				X		Reaching while installing clips, frames, and glass to opening, placing membrane and spray foam/caulking onto opening, during site preparation and clean up.
GRIPPING DEMANDS						
DOMINANT HAND						
REPETITIVE	X					-
CONTINUOUS				X		Gripping wheel during travel, hand/power tools, frames, clips, glass (with suction cups), chop saw, ladders, scaffolding equipment, spray foam, caulking, caps, etc.
NON-DOMINANT HAND						
REPETITIVE	X					-
CONTINUOUS				X		Gripping wheel during travel, hand/power tools, frames, clips, glass (with suction cups), chop saw, ladders, scaffolding equipment, spray foam, caulking, caps, etc.
FINGER DEXTERITY			X			Securing glass to clips in frame using screws and drills, carrying glass using pinch grip (dependent on glass).

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PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED
MANUAL HANDLING DEMANDS						
LIFTING						
LIGHT (MAX 20 LB / 9 KG)			X			Hand/power tools (up to 4 lbs.).
MEDIUM (MAX 50 LB / 22.5 KG)			X			Materials and equipment include frames, clips, chop saw, scaffolding equipment, ladder, etc. into work vehicle during loading/unloading and throughout shift, as necessary.
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)			X			Glass (up to 125 lbs.) - two people
CARRYING						
LIGHT (MAX 20 LB / 9 KG)			X			Hand/power tools (up to 4 lbs.).
MEDIUM (MAX 50 LB / 22.5 KG)			X			Materials and equipment include frames, clips, chop saw, scaffolding equipment, ladder, etc. into work vehicle during loading/unloading and throughout shift, as necessary.
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)			X			Glass (up to 125 lbs.) - two people
MOBILE PUSHING						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)	X					-
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-
MOBILE PULLING						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)	X					-
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-
STATIC PUSHING/PULLING						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)			X			Pushing frames and glass in the opening during installation phase (21.0 lbs. of push force).
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-