



154 Meadowlark Health Centre  
156 Street & 87 Avenue  
Edmonton, Alberta T5R 5W9  
Tel (780) 429-4761  
Fax (780) 425-4274  
Toll Free 1-800-493-5446

## Physical Demands Analysis

Taper/Mudder

Prepared for:  
Alberta Construction Association

<b>Job Title:</b>	Taper/Mudder	<b>Assessment Location:</b>	Grande Prairie, AB	<b>Data Collection Date:</b>	December 8, 2020
-------------------	--------------	-----------------------------	--------------------	------------------------------	------------------

<b>Completed By:</b>	Christina O'Connor, B. Sc. Kin	<b>Submitted on:</b>	July 29, 2021
----------------------	--------------------------------	----------------------	---------------

<b>Disclaimer:</b>	The physical demands noted in this report may vary depending on company and location. Please contact the company directly to confirm this Physical Demands Analysis is an accurate representation of the specific job title for this specific location.
--------------------	---

<b>Work Schedule:</b>	<b>Shift Duration:</b> 4 days/week, 10 hours/day; may vary <b>Break Schedule:</b> Total of 1 hour break per day/ extra ½ hour past 5:30pm <b>Shift Rotation:</b> This would be job-dependent; however, if working on commercial jobs, workers may be required to work at night to avoid working during business operation hours. <b>On call is required:</b> No. <b>Overtime required:</b> Yes, this would be job dependent.
-----------------------	--

<b>Education / Experience:</b>	<b>Education required:</b> N/A <b>Hours required for position:</b> N/A <b>Tickets that may be required (not limited to):</b> Fall protection, H2S Alive, Wildlife awareness, Ground Disturbance, Elevated Work Platform (EWP) machinery use, Confined Space, First Aid, WHMIS, Construction Safety Training Systems (CSTS) and Basic Safety Orientation (BSO).
--------------------------------	--

<b>Labour Provider:</b>	N/A
-------------------------	-----

<b>Job Overview:</b>	A Taper and Mudder is required to apply paper or fiberglass tape over the joints between pieces of installed drywall, filling any open holes with drywall compound, prepare panels for painting by painting or finishing joints, sanding all mudding completed, re-mudding and sanding once again.		
	% of shift	Job Task	Task Description
	2%	Paperwork	A worker would be required to fill out their Field Level Hazard Assessment (FLHA), COVID screening paperwork, toolbox talks, and equipment inspection forms. A worker would be required to fill out multiple toolbox talks and field level hazard assessments if a job changes throughout the day.
	5%	Clean Up / Job Prep	A worker would be required to prepare their job site by gathering all tools and equipment necessary to complete the tasks at hand, gathering all materials, ensuring proper PPE, and setting up any temporary containments.

			A worker would be required to clean up throughout their day to reduce any materials or equipment that could impact a worker's ability to complete a job. A worker would be responsible for cleaning up their tools and materials to ensure there are no safety hazards throughout their day.
	93%	Taping and Mudding	A worker would be required to fill any holes with drywall compound that they have mixed themselves, apply paper or fiberglass tape over the joints between pieces of installed drywall, sand all mud, re-mud, sand again and ensure that all surfaces are level for the next step in the process.

<b>Equipment/ Tools:</b>	<ul style="list-style-type: none"> <li>• Stilts (17 lbs)</li> <li>• Box of drywall mud (43 lbs)</li> <li>• Roll of drywall tape (2 lbs)</li> <li>• 5 gallon pail of mixed mud (40 lbs)</li> <li>• Pan with mud (10 lbs)</li> <li>• Broad Knife and small knife (2 lbs)</li> <li>• Drywall mud pump</li> <li>• Heater (22 lbs)</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Extended long sander</li> </ul>
--------------------------	---

<b>Exposures / Environment:</b>	<p>Work can be inside or outside depending on the jobs required. A worker could be exposed to the following:</p> <ul style="list-style-type: none"> <li>• Noise</li> <li>• Rough Terrain</li> <li>• Tripping Hazards</li> <li>• Moving Equipment</li> <li>• Heights</li> <li>• Vibrations</li> <li>• Hot/Cold Temperatures</li> <li>• Dust</li> </ul>
---------------------------------	---

<b>Personal Protective Equipment Required:</b>	<ul style="list-style-type: none"> <li>• Hard hat</li> <li>• Steel toed boots</li> <li>• Gloves</li> <li>• Foam safety eyewear (fectoggle)</li> <li>• Safety vest or high visibility stripes</li> <li>• Long sleeves and pants</li> </ul>
<b>Personal Protective Equipment as Required:</b>	<ul style="list-style-type: none"> <li>• Hearing protection</li> </ul>

NOC STRENGTH LEVEL KEY	
Strength Level	Definition
Limited (Lim)	Up to 5 kg (11 pounds)
Light (L)	5 kg to 10 kg (11 – 22 pounds)
Medium (M)	10 kg to 20 kg (22 – 44 pounds)
Heavy (H)	Greater than 20 kg (44 pounds plus)

*\*Strength Level Key based on the National Occupational Classification*

FREQUENCY KEY		
Frequency	% of Workday	Hours – Based on 8 hour Workday
Not Required (N/R)	0%	0
Rarely (R)	1 – 5%	<25 min/day
Occasionally (O)	6 – 33%	25 min to 2 hours 40 min/day
Frequently (F)	34 – 66%	2 hours 41 min to 5 hours 17 min/day
Constantly (C)	67 – 100%	5 hours 18 min to 8 hours/day

*\*Frequency Key based on WCB Alberta Recommendations*

Job Demand	Frequency / NOC Strength Level					Details/ Measurements
	N/R	R	O	F	C	
Material Handling:						
Floor to waist level lifting		L	Lim			Could be required to lift the following from the ground level: <ul style="list-style-type: none"><li>• Pan full of mud (10 lbs)</li><li>• Drywall pump full of mud (20 lbs)</li><li>• Stilts (17 lbs)</li><li>• Hand tools</li><li>• Drywall tape (2 lbs)</li></ul>
Knee to waist level lifting		M	Lim			Could be required to lift the following from knee level: <ul style="list-style-type: none"><li>• Box of mud (43 bs)</li><li>• 5 Gal pail full of mixed mud (40 lbs)</li><li>• Heater (22 lbs)</li></ul>

<b>Waist to waist level lifting</b>		M		Lim	<p>Could be required to lift the following at waist level:</p> <ul style="list-style-type: none"> <li>• Box of mud (43 bs)</li> <li>• 5 Gal pail full of mixed mud (40 lbs)</li> <li>• Heater (22 lbs)</li> <li>• Hand tools</li> <li>• Drywall tape</li> <li>• Pan of mud (10 lbs)</li> <li>• Knife with mud (5 lbs)</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Drywall mud pump</li> </ul>
<b>Waist to chest level lifting</b>				Lim	<p>Could be required when lifting the following up to chest level:</p> <ul style="list-style-type: none"> <li>• Drywall tape</li> <li>• Pan of mud (10 lbs)</li> <li>• Knife with mud (5 lbs)</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Drywall mud pump</li> </ul>
<b>Waist to shoulder level lifting</b>				Lim	<p>Could be required when lifting the following up to shoulder level:</p> <ul style="list-style-type: none"> <li>• Drywall tape</li> <li>• Knife with mud (5 lbs)</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Drywall mud pump</li> </ul>
<b>Waist to overhead level lifting</b>				Lim	<p>Could be required when lifting the following up to shoulder height:</p> <ul style="list-style-type: none"> <li>• Drywall tape</li> <li>• Knife with mud (5 lbs)</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Drywall mud pump</li> </ul>
<b>Front carry</b>		M			<p>Could be required when carrying the following:</p> <ul style="list-style-type: none"> <li>• A box of mud</li> <li>• Stilts</li> <li>• Heater</li> </ul>

Right / left-handed carry (dominant hand)		M		Lim		Could be required when carrying the following: <ul style="list-style-type: none"> <li>• Hand tools</li> <li>• A pan of mud</li> <li>• Broad knife</li> <li>• Drywall mud pump</li> <li>• Pail of mud</li> <li>• Box of mud</li> <li>• Stilts</li> <li>• Angle applicator</li> <li>• Flusher</li> <li>• Sander</li> </ul>
Shoulder carry	X					N/A
Static Pushing/Pulling (Force)			M		Lim	Required to push and pull when applying mud, sanding, sweeping, taping, using an angle applicator, using a flusher, using a pump, mixing mud, etc.
Dynamic Pushing/Pulling (Force)	X					N/A

Job Demand	Frequency					Details/Measurements
	N/R	R	O	F	C	
<b>Upper Extremity Work:</b>						
Hand Gripping					X	Required when mudding, taping, applying mud, prepping the site, cleaning the site etc.
Pinch Gripping			X			Could be required when filling in smaller holes, completing paperwork, handling screws, working around small areas, etc.
Upper Extremity Coordination					X	Required when taping, mudding, sanding, site clean up, site prep, use of hand pump etc.
Reaching Forward			X			Required when taping, mudding, sanding, site clean up, site prep, use of hand pump etc.
Overhead Shoulder Level Reaching				X		Required when mudding and taping upper levels of the wall, ceilings, or bulk heads.
Below Shoulder Level Reaching				X		Required when working at waist level or below to mud, tape and sand lower portions of the wall, mix mud, site clean up, site prep, putting on stilts, mixing mud, etc.
Throwing	X					N/A

Job Demand	Frequency					Details/Measurements
	N/R	R	O	F	C	
Positional Work:						
Trunk Flexion (Bending)			X			Required when mixing mud, moving boxes of mud, when working on stilt to gather materials, to clean, to sweep, etc.
Trunk Rotation (Twisting)				X		Required when taping, mudding, sanding and when overhead or in awkward spaces.
Kneeling		X				Required when working in low level positions when mudding, taping, and sanding walls.
Crawling		X				Could be required when working in crawl spaces.
Crouching		X				Required when working in low level positions when mudding, taping, and sanding walls.
Squatting			X			Required when gathering materials and working in low level positions when mudding, taping, and sanding walls.
Neck Flexion				X		Required when taping, mudding, sanding, low level portions of walls, site clean up, site prep, mixing mud, etc.
Neck Extension				X		Required when working above shoulder levels to tape, mud, and sand ceilings or upper levels of walls.
Neck Rotation				X		Required throughout the day as a safe work practice as well as while mudding, taping and sanding.

Job Demand	Frequency					Details/Measurements
	N/R	R	O	F	C	
Static Work:						
Sitting			X			Required when on breaks (if they are taken) along with paperwork and driving from site to site.
Static Standing			X			Required when mudding, taping, and sanding in one area at a time.
Balancing					X	This is job dependent. This would be required if the worker chooses to work on stilts, however if working on scaffolding or ladders, this would be required up to a frequent basis.

Job Demand	Frequency					Details/Measurements
	N/R	R	O	F	C	
Ambulation:						
Walking: Level Surfaces				X		This is job dependent, however workers would be required to work on even surfaces when mudding, taping and sanding. It is recommended that workers are in a clean site without tripping hazards.
Walking: Uneven Surfaces		X				Required when throwing out any garbage, gathering materials, and cleaning up the site. This could be job dependent.
Walking: Slopes	X					N/A
Jumping	X					N/A
Running	X					N/A

Job Demand	Frequency					Details/Measurements
	N/R	R	O	F	C	
Climbing:						
Stairs		X				This is job dependent.
Ladder			X			Required throughout the day when completing mudding, taping, and sanding or work that may be above head. Scaffolding or stilts may be used in replacement of ladder climbing.
Other – Scaffolding			X			Required throughout the day when completing mudding, taping and sanding or work that may be above head. Ladders or stilts may be used in replacement of scaffolding.



**PHOTOS OF TASKS AND WORK ENVIRONMENT**

**Figure 1:** An example of a box of drywall mud, weighing 43 lbs. A worker would be required to measure and mix the compound with water in a pail to apply to the wall.



**Figure 2:** An example of a worker use an angle applicator to apply mud in a corner.



**Figure 3:** An example of a worker using stilts to mud the upper portions of a wall and ceiling. The pail of mud needed to be elevated for the worker to bend down to refill his pan with drywall mud.



**Figure 4:** A worker mudding the ceiling while on stilts.





Physical Demands Analysis  
Job Title: Taper/Mudder  
Date Prepared: January 8, 2021  
Prepared for: Alberta Construction Association



If you have any questions, and/or would like to discuss this assessment and report further, I can be reached at (780) 532-7077.

Sincerely,

A handwritten signature in black ink, appearing to read "Car.", enclosed within a light gray rectangular border.

---

Christina O'Connor, B. Sc. Kin

### Validation Agreement

<b>Job Title:</b>	Taper/Mudder
<b>Data Collection Date:</b>	December 8, 2020

We the undersigned have reviewed the Physical Demands Analysis for this position and agree that the physical demands documented in this report are representative of the true demands of the tasks associated with the job title as assessed on the date listed above.

<b>Completed by:</b>	Christina O'Connor, B. ScKin	Lifemark Clinician Name and Designation
<b>Approved by:</b>		Management Representative
<b>Approved by:</b>		Worker Representative
<b>Approved by:</b>		Labour Provider Representative