

## 12 Wall and Floor Tiling

### WorldSkills Standards Specification

Section	WSSS Marks
1	Work organization and management
2	Communication and interpersonal skills
3	Problem solving, innovation, and creativity
4	Produce and interpret drawings
5	Setting out and measurement
6	Preparations
7	Fix
8	Quality

### Criteria

ID	Name
A	Overall appearance

B	Cutting
C	Level
D	Plumb
E	Square
F	Surface alignment
G	Measurements
H	Fully completed to drawings
I	

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
A1	Wall A	2	J	Wall A, Cleaning of tiles and Tile edges	0 1 2 3
			J	Wall A, Regular Joints for width and Surface	0 1 2 3
A2	Wall B	2	J	Wall B, Cleaning of tiles and Tile edges	0 1 2 3

A3	Floor and steps	3	J	Wall B, Regular Joints for width and Surface	0
					1
					2
					3
A4	Small wall	3	J	Floor and steps, Cleaning of tiles and Tile edges	0
					1
					2
					3
		4	J	Floor and steps:Regular Joints for width and Surface	0
					1
					2
					3
		4	J	Floor and steps, Cleaning an area 30cm around project	0
					1
					2
					3
		4	J	Small wall: Cleaning of tiles and tile trim	0
					1
					2
					3
			J	Small wall: regular joints for width and surface	0
					1
					2
					3
			J	Small wall; Cleaning an area 30cm around project	0
					1
					2
					3

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
B1	Wall A: Cutting	2	J	Wall A: Cutting	0 1 2 3
B2	Wall B: Cutting part 1	2	J	Wall B Cutting of the letters	0 1 2 3
B5	Small wall; Cutting	4	J	Small Wall; cutting of slope connection with tile trim	0 1 2 3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
C1	Wall A: Level	2	M	Wall A: Level 1; Top of the wall	
C2	Wall B: Level	2	M	Wall A: Level 2; Top of 4th row from the bottom	
			M	Wall B: Level 3; Top of the wall	
			M	Wall B: Level 4; Top of the 4th tile from the bottom	
C3	Floor and steps: Level	3	M	Floor: Level 5; Middle of step 1	
			M	Floor: Level 6 Middle of floor two row in from edge	

C4	Small Wall	4	M M M	Floor: Level 7; Middle of 1st row from the drainage  Small wall: Level 8; Top of Niche ( head ) Small wall: Level 9; bottom of Niche (cill)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
D1	Wall A: Plumb	2	M M M	Wall A: Plumb 1; left of the wall (side of the tile) inside cutting Wall A: Plumb 2; external tile trim Wall A: Plumb 3; one full tile in from the right (face of tile)	
D2	Wall B: Plumb	2	M M	Wall B: Plumb 4; Two full tiles from the left (face of tile) Wall B: Plumb 5; external tile trim	
D3	Small Wall	4	M M M	Wall B: Plumb 6; Internal left hand side of Niche (surface) Small Wall: Plumb 7; Mosaic side in front of wall B (side of tile) o Small Wall: Plumb 8; Front of small wall in the centre	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
E1	Wall A Square	2	M	Square 1 Top left middle of tile ( surface of tile and edge )	
E2	Wall B: Square	2	M M	Square 3; Top right corner wall A to Wall B Square 4 1m Right middle of tile ( surface of tile and edge )	
E3	Floor and steps: Square	3	M M	Square 4; Surface of wall A to the riser of 2nd step Square 5 Middle of first step to riser of 2nd step	
E4	Small Wall - Square	4	M	Square 6; 10 tiles from top Wall B to internal surface of wall	

			M M	Square 7; Internal part of Niche Bottom Left Square 8 Internal part of niche Top right	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
F1	Wall A: Surface alignment	2	M M M	Surface alignment 1; upper right corner, 45 degrees down Surface alignment 2; middle of tile horizontally 4 rows from top Surface alignment 3; 4 tiles from left - middle of tile vertically	
F2	Wall B: Surface alignment	2	M M M	Surface alignment 5; 4 full tiles from left - middle of tile vertically Surface alignment 6; 5 full tiles from left - middle of tile vertically Surface alignment 7; middle of tile horizontally 7 rows from top	
F3	Floor and steps: Surface alignment	3	M M M	Surface alignment 8; Horizontally on riser of tile step one Surface alignment 9 diagonally across floor left to right Surface alignment 10; diagonally across fall right to left	
F4	Small wall	4	M M M	Surface alignment 11; 4 full tiles up from floor horizontally Surface alignment 12; middle of sloping wall section Surface alignment 13; 100mm below Tile trim	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
G1	Wall A: Measurement	2	M M M M M	Measurement 1; width of wall, left to right Measurement 2; Height of wall from floor Measurement 3; From 1m line Measurement 4; Cut left side of wall Measurement 5; Cut where wall A meets wall B	
G2	Wall B: Measurement	2			

G3	Floor and steps: Measurement	3	M M M M M	Measurement 6; width of wall, left to right Measurement 7; Height of wall Measurement 8; width of blue tile at right angle of letter K Measurement 9; height of 2nd A Measurement 10.internal measurement of A	
G4	Small wall: Measurement	4	M M M M M M M M	Measurement 11; Height of first step next to wall A Measurement 12; width of first step 5th tile from wall A Measurement 13; Fall to drainage channel Next to Wall A Measurement 14; Wall B to front face of second step  Measurement 15;At Wall B from floor to top of trim Measurement 16;Depth of niche Measurement 17;From wall B to niche Measurement 18;From wall B to front of small wall	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
H1	Wall A:	2	M M M	Missing tiles Wrong tiles Project completed to drawing	
H2	Wall B:	2	M M M	Missing tiles Wrong tiles Project completed to drawing	
H3	Floor and steps:	3	M M M	Missing tiles Wrong tiles Project completed to drawing	
H4	Timetable	1	M	Timetable delivered	
H5	Small wall:	4	M M	Missing tiles Wrong tile	

			M	Project completed to drawing	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score



	WSSS Marks	Aspect Marks	Variation
	5.00	5.00	0.00
	5.00	5.20	0.20
	5.00	5.10	0.10
	5.00	6.10	1.10
	5.00	7.00	2.00
	15.00	14.85	0.15
	40.00	38.40	1.60
	20.00	18.35	1.65
	Total Variation		6.80

	Mark
	7.25

	6.00
	11.70
	12.00
	10.00
	15.65
	28.40
	9.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Tiles showing lots of grout/mortar still on the tiles for 7 or more Tiles showing traces of mortar or grout, as well as other kinds of Tiles showing very small and isolated traces of streaks and Tiles not showing traces of streaks and visible dust at all.		8		0.75
Joints of different sizes, not aligned, faulty, bad or without Joints of different sizes, but aligned, and without smooth finish Joints of different sizes in some places, but aligned, without Joints of equal sizes, aligned and with excellent smooth finish		8		0.75
Tiles showing lots of grout/mortar still on the tiles for 7 or more Tiles showing traces of mortar or grout, as well as other kinds of Tiles showing very small and isolated traces of streaks and Tiles not showing traces of streaks and visible dust at all.		8		0.50

Criterion A      Total Mark      7.25

Wall B; Appearance of Internal movement joint Wall A and	8	0.75
Joints of different sizes, not aligned, faulty, bad or without		
Joints of different sizes, but aligned, and without smooth fi		
Joints of different sizes in some places, but aligned, witho		
Joints of equal sizes, aligned and with excellent smooth fir		
	8	0.75
Tiles showing lots of grout/mortar still on the tiles for 7 or r		
Tiles showing traces of mortar or grout, as well as other ki		
Tiles showing very small and isolated traces of streaks an		
Tiles not showing traces of streaks and visible dust at all.		
	8	0.75
Joints of different sizes, not aligned, faulty, bad or without		
Joints of different sizes, but aligned, and without smooth fi		
Joints of different sizes in some places, but aligned, witho		
Joints of equal sizes, aligned and with excellent smooth fir		
	8	0.75
Area showing tapes, loose material on the floor, mortar, gr		
Area at some places showing loose material on the floor, p		
Area showing almost no loose material on the floor and vis		
Area not showing loose material on the floor nor visible str		
	8	0.75
Tiles showing lots of grout/mortar still on the tiles for 7 or r		
Tiles showing traces of mortar or grout, as well as other ki		
Tiles showing very small and isolated traces of streaks an		
Tiles not showing traces of streaks and visible dust at all.		
	8	0.75
Joints of different sizes, not aligned, faulty, bad or without		
Joints of different sizes, but aligned, and without smooth fi		
Joints of different sizes in some places, but aligned, witho		
Joints of equal sizes, aligned and with excellent smooth fir		
	8	0.75
Area showing tapes, loose material on the floor, mortar, gr		
Area at some places showing loose material on the floor, p		
Area showing almost no loose material on the floor and vis		
Area not showing loose material on the floor nor visible str		

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
<p>Tiles showing lots of and big chipped and broken edges .•</p> <p>Tiles showing small chipped edges Joints of different sizes</p> <p>Tiles showing small chipped edges in just a few places tha</p> <p>Tiles not showing chipped edges at all Joints of equal size</p>		8		2.00
		8		2.00
		8		2.00
<p>Tiles showing lots of and big chipped and broken edges .•</p> <p>Tiles showing small chipped edges Joints of different sizes</p> <p>Tiles showing small chipped edges in just a few places tha</p> <p>Tiles not showing chipped edges at all Joints of equal size</p>				
<p>Deduct 0.30 for each 1 mm error</p> <p>Deduct 0.30 for each 1 mm error</p>	0mm	4	1	1.20
	0mm	8	1	1.20
<p>Deduct 0.30 for each 1 mm error</p> <p>Deduct 0.30 for each 1 mm error</p>	0 mm	4	1	1.20
	0mm	8	1	1.20
<p>Deduct 0.30 for each 1 mm error</p> <p>Deduct 0.30 for each 1 mm error</p>	0 mm	8	1	1.20
	0 mm	5	1	1.50

Criterion B      Total Mark      6.00

Criterion C      Total Mark      11.70

Deduct 0.30 for each 1 mm error	0 mm	4	1	1.20
Deduct 0.30 for each 1 mm error	0mm	5	1	1.50
Deduct 0.30 for each 1 mm error	0mm	8	1	1.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Deduct 0.30 for each 1 mm error	0mm	7	2	1.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Deduct 0.25 for each 1 mm error	0mm	2	3	1.00
Deduct 0.25 for each 1 mm error	0 mm	6	3	1.00
Deduct 0.25 for each 1 mm error	0mm	4	3	1.25
Deduct 0,25 for each 1 mm error	0mm	5	3	1.25
Deduct 0,25 for each 1 mm error	0mm	4	3	1.25
Deduct 0,25 for each 1 mm error	0mm	5	3	1.25

Criterion D      Total Mark      12.00

Criterion E      Total Mark      10.00

Deduct 0.25 for each 1 mm error	0mm	3	3	1.50
Deduct 0.25 for each 1 mm error	0mm	5	3	1.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	0mm	6	4	1.20
Deduct 0.30 for each 1 mm error	0mm	6	4	1.50
Deduct 0.30 for each 1 mm error	0mm	3	4	1.20
Deduct 0.30 for each 1 mm error	0 mm	6	4	1.25
Deduct 0.30 for each 1 mm error	0mm	6	4	1.50
Deduct 0.30 for each 1 mm error	0mm	3	4	1.20
Deduct 0.30 for each 1 mm error	0mm	6	4	1.20
Deduct 0.30 for each 1 mm error	0mm	6	4	1.50
Deduct 0.30 for each 1 mm error	0mm	3	4	1.20
Deduct 0.30 for each 1 mm error	0mm	6	4	1.20
Deduct 0.30 for each 1 mm error	0mm	6	4	1.50
Deduct 0.30 for each 1 mm error	0mm	2	4	1.20
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	1499mm	7	5	1.50
Deduct 0.30 for each 1 mm error	1920mm	7	6	1.20
Deduct 0.30 for each 1 mm error	920mm	7	7	1.50
Deduct 0.30 for each 1 mm error	82mm	7	8	1.50
Deduct 0.30 for each 1 mm error	62mm	7	9	1.50

Criterion F      Total Mark      15.65

Criterion G      Total Mark      28.40

Deduct 0.25for each 1 mm error	1499mm	7	10	2.00
Deduct 0.30 for each 1 mm error	1920mm	7	11	1.50
Deduct 0.30 for each 1 mm error	8mm	7	12	1.50
Deduct 0.30 for each 1 mm error	250mm	7	13	1.50
Deduct 0.30 for each 1 mm error	42mm	7	14	1.50
Deduct 0.30 for each 1 mm error	130mm	7	15	1.50
Deduct 0.30for each 1 mm error	149mm	7	16	1.50
Deduct 0.30 for each 1 mm error	15mm	6	17	2.00
Deduct 0.30 for each 1 mm error	1262mm	7	18	1.50
Deduct 0.30 for each 1 mm error	842mm	7	19	1.50
Deduct 0.30 for each 1 mm error	93mm	7	20	1.20
Deduct 0.30 for each 1 mm error	128mm	7	21	2.00
Deduct 0.30 for each 1 mm error	814mm	7	22	2.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
	yes/no	1		0.37
	yes/no	1		0.37
	yes/no	6		1.00
	yes/no	1		0.37
	yes/no	1		0.37
	yes/no	2		1.00
	yes/no	1		0.38
	yes/no	1		0.38
	yes/no	2		1.00
	yes/no	1		2.00
	yes/no	1		0.38
	yes/no	1		0.38

Criterion H      Total Mark      9.00

	yes/no	2		1.00
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark

Criterion I      Total Mark      0.00

Competition      Total Mark      100.00