

## 22 Painting and Decorating

### 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 plans/technical drawings
5	Apply paint brush and roller
6	Apply paint by spray
7	Apply wallpaper
8	Apply decorative techniques
9	Apply sign writing/lettering

### Criteria

ID	Name
A	Mural
B	Free Technique
C	Lettering
D	Main Design
E	Wallpapering
F	Door and architraves
G	
H	
I	

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
A1	Mural Colour Harmony	2	J	Mixing colour in four harmonic nuances	0 1 2 3
A2	Mural completion	2	M	Mural completed	
A3	Mural speed	2	M	Mural speed challenge	

A4	Mural Colour match	2	M	Mixing predetermined colour 1	
			M	Mixing predetermined colour 2	
A5	Mural Quality	3	M	Mural - Clean surfaces	
			M	Mural - Opacity	
			M	Mural - Straight Lines	
			M	Mural - Clean corners	
A6	Mural accuracy	3	M	Mural - Dimensional accuracy - Position 1	
			M	Mural - Dimensional accuracy - Position 2	
			M	Mural - Dimensional accuracy - Position 3	
			M	Mural - Dimensional accuracy - Position 4	
			M	Mural - Dimensional accuracy - Position 5	
			M	Mural - Dimensional accuracy - Position 6	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
B1	Free technique Impression	3	J	Overall impression	0 1 2 3
B2	Free technique Quality	3	M	Workmanship	
			M	Technical ability	
			M	Reference marks and surrounding area	
B3	Free technique Information	3	M	Info sheet submitted to CE at start of competition	

B4	Free technique completion	3	M	All completed	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
C1	Lettering impression	4	J	Overall impression of lettering and decals	0 1 2 3
C2	Lettering Completion	4	M	All completed	
C3	Lettering Quality	4	M	Lettering - Straight Lines and clean corners, Kazan & 2019	
C4	Design Lettering Accuracy	4	M	Lettering - Reference Points ( no visible reference lines or marks)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
D1	Design	4	J	Overall impression of design	0 1 2 3
D2	Main design	4	M	All completed	

D3	Main design lines and curves	4	M M	Design - Reference points Design - Correct colour	
D4	Main design Opacity	4	M M M	Design - Straight lines and curves. Position 1 Design - Straight lines and curves. Position 2 Design - Straight lines and curves. Position 3	
D5	Main design corners	4	M M M	Design - Opacity. Position 1 Design - Opacity. Position 2 Design - Opacity. Position 3	
D6	Main Design accuracy	4	M M M M M M M M M M	Design - Clean corners. Position 1 Design - Clean corners. Position 2 Design - Clean corners. Position 3 Design - Dimensional accuracy - Position 1 Design - Dimensional accuracy - Position 2 Design - Dimensional accuracy - Position 3 Design - Dimensional accuracy - Position 4 Design - Dimensional accuracy - Position 5 Design - Dimensional accuracy - Position 6 Design - Dimensional accuracy - Position 7 Design - Dimensional accuracy - Position 8 Design - Dimensional accuracy - Position 9 Design - Dimensional accuracy - Position 10	
D7	Cleanliness	4	M	Surrounding areas clean (wall area B)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
E1	Wallpaper Corner	2	J	Matching of wallpaper in corner between 150cm – 170cm from th	

E2	Wallpaper impression	2	J	Overall appearance	0 1 2 3
E3	Wallpaper accuracy	2	M	Dimensional Accuracy - Check vertical plumb on wall A and B	0 1 2 3
E4	Wallpaper Trimming	2	M	Dimensional Accuracy 200mm onto wall B measured at the top	
E5	Wallpaper connections	2	M	Surface - Trimming, top and left vertical skirting, right vertical cut	
E6	Wallpaper faults	2	M	Surface - Trimming, door frame and bottom skirting on wall A and	
			M	Surface - Bubbles and lifting	
			M	Connection - Overlaps and butt joints	
			M	Connection - Gaps	
			M	Connection - Corner Overlaps	
			M	Wallpaper - Reference points	
			M	Surface - Glue	
			M	If you need more wallpaper than allocated	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
F1	Door frame and skirtings	4	J	Quality of finish; to include cutting in, misses, runs, nibs and ever	0 1 2 3
F2	Door	4			

F3	Painting of Profile (Mouldings)	4	M	Door correctly painted	
			M	edge 1 (Inside left, by tape)	
			M	edge 2 (inside right, by tape)	
			M	edge 3 (outside right, by hand)	
			M	edge 4 (outside left, by hand)	
			M	edge 5 (inside up, by tape)	
			M	edge 6 (outside up, by hand)	
			M	edge 7 (outside down, by hand)	
			M	edge 8 (inside down, by tape)	
			M	Surface profile Opacity	
F4	Painting of Door Outer Panel	4	M	Brush/Roller Marks - Outer Panel	
			M	Missed Areas - Outer Panel	
			M	Runs - Outer Panel	
			M	Nibs - Outer Panel	
			M	Opacity - Outer Panel	
			M	Surrounding Area - Outer Panel	
F5	Painting of Door Inner Panel	4	M	Planning of 15 minute time slots	
			M	Spray Marks - Inner Panel	
			M	Missed Areas - Inner Panel	

			M	Runs - Inner Panel	
			M	Nibs - Inner Panel	
			M	Opacity - Inner Panel	
			M	Surrounding Area - Inner Panel	
			M	Cleaning of spray gun and equipment	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
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# Painting

Classification			
	WSSS Marks	Aspect Marks	Variation
	5.00	5.00	0.00
	10.00	10.00	0.00
	5.00	5.00	0.00
	10.00	10.00	0.00
	25.00	28.00	3.00
	15.00	10.50	4.50
	15.00	15.00	0.00
	10.00	11.50	1.50
	5.00	5.00	0.00
Total Variation			9.00

##

	Mark
	15.00
	9.50
	5.00
	30.00
	18.00
	22.50

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Graduation is uneven and clearly does not match sample Graduation has minor differences to sample Graduation has 2 even gradients as per sample without error Graduation matches all 3 samples given without error		2		1.00
Has the design been completed with all colours applied in mural test	yes/no	2		1.00
The time taken to draw & apply paint in mural test will be recorded All other competitors will be ranked in order of finishing, with the fastest time winning		1		2.00

Criterion A

Total  
Mark

15.00

NOTE: Competitors who finish within 30 seconds will receive 2.00 marks  
For marks to be awarded masking must be used to tape a

For the best predetermined mixed colour as per sample = 2.00  
Competitors who finish with the same match assessment  
For the best predetermined mixed colour as per sample = 2.00  
Competitors who finish with the same match assessment

Check surface area for defects including nibs and reference	Defects area 50mm	5	1.00
Check Opacity viewed at a distance of 1 metre. Deduct 0.25	Opacity area 50mm	5	1.00
Lines are straight within specification and no edge creep or	Edge creep / heavy	5	1.00
Check for sharply painted corners, no edge creep or heavy	Edge Creep / heavy	5	1.00
Mark only 10mm either side of corner			
Marking Team to select a random position for a measurement	+/- 1 mm	4	0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4	0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4	0.50
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Marking Team to select a random position for a measurement	+/- 1 mm	4	0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4	0.50

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
No skills executed, Painted wall only, multiple fault not shown Completion of decorative skills shown in submitted design Completion of decorative skills shown in submitted design Completion of decorative skills shown in submitted design		2		2.00
Free of defects viewed from 1 metre, edge creep, runs, nibs	Defects area 50mm	8		2.00
More than 2 decorative effects including but not limited to		8		1.50
Deduct 0.25 marks each defect 50mm x 50mm	Defects area 50mm	8		2.00
As per Technical Description	yes/no	2		0.50

Criterion B      Total Mark      9.50

As per Technical Description, drawing provided by competitor	yes/no	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
Incomplete without 2 coats of paint applied. Complete with 2 coats of paint no distortion of lettering, level clean line. Complete with 2 coats of paint no distortion, level clean line. Complete with no faults even application of paint no edge		9		0.75
As per technical drawing	yes/no	9		0.25
Lines are straight within specification and no edge creep.	Edge Creep area	9		1.00
Check Opacity of the Lettering viewed at a distance of 1 m	Opacity area 20mm	9		1.00
Check surface area for reference marks including cut and	Per 20mm	9		1.00
Marking Team to select a random position for a measurement	+/- 1 mm	9		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	9		0.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Incomplete multiple defects with poor opacity, non straight Complete with minors faults in lines and curves with +/-2 mm Complete with minors faults in lines and curves with +/-1 mm Complete with no faults in lines and curves with +/-1 mm,		2		2.00
As per design drawing	yes/no	1		1.00

**Criterion C**      **Total Mark**      **5.00**

**Criterion D**      **Total Mark**      **30.00**

Check surface area for reference marks including cut marks	Per 20mm	2		2.00
Check that all areas are coated with the correct colours and	Per section	1		0.50
Lines are straight no heavy brush marks viewed at a distance of 100mm	+/- 1mm per 100mm	8		2.00
Lines are straight no heavy brush marks viewed at a distance of 100mm	+/- 1mm per 100mm	8		2.00
Lines are straight no heavy brush marks viewed at a distance of 100mm	+/- 1mm per 100mm	8		2.00
Check Opacity viewed at a distance of 1 metre. Deduct 0.25 marks for each additional 20mm x 20mm area	Opacity area 20mm x 20mm	5		2.00
Deduct a further 0.25 marks for each additional 20mm x 20mm area				
Check Opacity viewed at a distance of 1 metre. Deduct 0.25 marks for each additional 20mm x 20mm area	Opacity area 20mm x 20mm	5		2.00
Deduct a further 0.25 marks for each additional 20mm x 20mm area				
Check Opacity viewed at a distance of 1 metre. Deduct 0.25 marks for each additional 20mm x 20mm area	Opacity area 20mm x 20mm	5		2.00
Deduct a further 0.25 marks for each additional 20mm x 20mm area				
Check for sharply painted corners 10mm from point to point	+/- 1mm	5		2.00
Check for sharply painted corners 10mm from point to point	+/- 1mm	5		2.00
Check for sharply painted corners 10mm from point to point	+/- 1mm	5		2.00
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Marking Team to select a random position for a measurement	+/- 1 mm	4		0.50
Check for paint spots, dirty marks, over spray	Deduct 0.25 marks	5		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
		4		2.00

Criterion E      Total Mark      18.00

Loss of pattern match +4mm between 150cm-170cm				
Matches pattern +/- 1mm between 150cm-170cm				
Loss of pattern match over whole corner +/-1mm				
No loss of pattern match over whole corner				
		3		1.00
No pattern match, paper hung correct as specified, incomplete				
Complete and matches pattern +/- 1mm between 150cm-170cm				
Complete and has a 70% pattern match +/-1mm with no defects				
Complete and has no loss of pattern match +/-1mm over 90%				
Vertical hung within +/- 1 mm = 1 mark	yes/no	7		1.00
If not within +2 mm = 1 marks	yes/no	7		1.00
Deduct 0.25 marks for trimming incorrectly within an area of 50mm x 50mm	Defect 1mm x 50mm	7		2.00
Deduct 0.25 marks for trimming incorrectly within an area of 50mm x 50mm	Defect 1mm x 50mm	7		2.00
Deduct 0.25 marks for each air bubble under 20mm x 20mm	Deduct 0.25 marks	7		1.00
Deduct 0.25 marks per overlaps or butt joint on wallpaper	Defect per 100mm	7		2.00
Deduct 0.25 marks per gap between wallpaper joints per 100mm	Defect per 100mm	7		2.00
Deduct 1 mark if the wallpaper has excessive overlap or missing 2-10mm	yes/no	7		1.00
Check surface area for reference and cutting/tape marks	Defect 1mm x 100mm	7		1.00
Deduct 0.25 marks - glue on the front of the wallpaper and back	Defect 100mm x 100mm	7		1.00
Deduct 1 mark	yes/no	7		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
		1		1.00
Has more than 8 defects such as heavy brush marks, roller marks, etc.				
Complete with 2 coats of paint applied has more than 4 defects				
Complete with 2 coats of paint applied has less than 4 defects				
Complete with 2 coats of paint applied has no minor defects				

Criterion F      Total Mark      22.50

3 colours applied as per drawing minimum of 2 coats applied	yes/no	1	0.50
Correctly painted edge = 1 marks	Edge Creep area -	6	0.75
Deduct 0.25 marks for edge creep and misses			
Correctly painted edge = 1 marks	Edge Creep area -	6	0.75
Deduct 0.25 marks for each missed area or over run			
Correctly painted edge = 1 marks	Area - 1 mm x 20m	5	1.00
Deduct 0.25 marks for each missed area or over run			
Correctly painted edge = 1 marks	Area - 1 mm x 20m	5	1.00
Deduct 0.25 marks for edge creep and misses			
Correctly painted edge = 0.75 marks	Edge Creep area -	6	0.75
Deduct 0.25 marks for edge creep and misses			
Correctly painted edge = 1 marks	Edge Creep area -	5	1.00
Deduct 0.25 marks for each missed area or over run			
Correctly painted edge = 1 marks	Area - 1 mm x 20m	5	1.00
Deduct 0.25 marks for each missed area or over run			
Correctly painted edge = 0.75 marks	Edge Creep area -	6	0.75
Deduct 0.25 marks for edge creep and misses			
Check Opacity viewed at a distance of 1 metre. Deduct 0.25 marks for each missed area	Opacity area 50mm	5	1.00
Deduct a further 0.25 for each additional 50mm x 50mm area			
If no brush/roller marks visible from 1 metre = 1.5 marks	Example needed	5	2.00
Deduct 0.25 marks per area of excessive brush marks or roller marks			
If complete area has been painted and there are no missed areas	Opacity area 50mm	5	0.50
Deduct 0.25 marks for each missed area.			
If no runs on surface = 1 mark	Runs 50mm square	5	1.00
Deduct 0.25 marks for each Run.			
If no nibs found on any surface visible from 1 metre = 1 mark	Nibs x 50mm square	5	1.00
Deduct 0.25 marks for each nib found on surface			
Check for opacity of painted surface at a distance of 1 metre	Opacity x 50mm square	5	0.50
Deduct 0.25 marks for each area with poor opacity			
If all surrounding areas been kept clean = 0.5 marks		5	0.50
Deduct 0.25 marks for each mark on the surrounding area			
Allocated time slot booked, but not used or used more than 10 minutes	yes / no	6	0.50
If no dry spray/texture marks visible from 1 metre = 1 mark	Example needed	6	2.00
Deduct 0.25 marks per area of excessive orange peel or dry spray			
If complete area has been painted and there are no missed areas	Missed area 50mm	6	1.00
Deduct 0.25 marks for each missed area.			

If no runs on surface visible from 1 metre = 1 mark Deduct 0.25 marks for each Run.	Runs 50mm square	6		1.00
If no nibs found on any surface visible from 1 metre = 1 mark Deduct 0.25 marks for each nib found on surface	Nibs x 50mm square	6		1.00
Check Opacity viewed at a distance of 1 metre. Deduct 0.25 marks for each additional 50mm x 50mm area of opacity	Opacity area 50mm x 50mm	6		0.75
Deduct a further 0.25 mark for each additional 50mm x 50mm area of opacity		6		0.50
If all surrounding areas have been kept clean = 0.5 marks		6		0.75
All equipment has been cleaned and stored as per the mark sheet	yes/no	6		

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
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Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark

Criterion G      Total Mark      0.00

Criterion H      Total Mark      0.00

Criterion I      Total Mark      0.00

Competition      Total Mark      100.00