

Technical Description

Painting and Decorating



1 INTRODUCTION

1.1 NAME AND DESCRIPTION OF THE SKILL COMPETITION

1.1.1 The name of the skill competition is **Painting and Decorating**

1.1.2 Description of the associated work role(s) or occupation(s).

A painter and decorator works in the commercial and public sectors and is responsible for the external and internal appearance of a building and its protection from water, rust, corrosion, mould, and insect infestation. There is a direct relationship between the nature and quality of the service required and the payment made by the client. Therefore, the painter and decorator has a continuing responsibility to work professionally and interactively with the client in order to give satisfaction and thus maintain and grow the business.

Painting and decorating is closely associated with other parts of the construction industry, and with the many products that support it. The painter and decorator works internally and externally in very diverse environments, for example in companies, factories, schools, hotels, the homes of clients, and on building sites in all weather conditions. He or she may offer a range of services, including interpreting client requirements to the environmental and sustainability of materials/drawings, advising on designs/colours, painting, spraying, decorative coatings, wallpapering, gilding, and sign writing to a high standard.

Work organization and self-management, communication and interpersonal skills, problem solving, innovation, creativity, and the ability to prepare surfaces thoroughly with meticulous care including hazardous surfaces such as lead and asbestos. These are the universal attributes of an outstanding painter and decorator. In a mobile labour market, the painter and decorator may work in teams, or alone, or in both from time to time. Whatever the structure of the work, the trained and experienced painter and decorator takes on a high level of personal responsibility and autonomy. From carefully determining the requirements of the client, working safely and tidily, exceptional planning and scheduling, precision and attention to detail to the fine gilding of objects and finishing of furniture, every process matters and mistakes are largely irreversible and costly.

With the international mobility of people, the painter and decorator faces rapidly expanding opportunities and challenges. For the talented painter and decorator there are many commercial and international opportunities; however, these carry with them the need to understand and work with diverse cultures, trends, and fashions. The diversity of skills associated with painting and decorating is therefore likely to expand.

1.1.3 Number of Competitors per team

Painting and Decorating is a single Competitor skill competition.

1.1.4 Age limit of Competitors

The Competitors must not be older than 22 years in the year of the Competition.

1.2 THE RELEVANCE AND SIGNIFICANCE OF THIS DOCUMENT

This document contains information about the standards required to compete in this skill competition, and the assessment principles, methods and procedures that govern the competition.

Every Expert/ Jury and Competitor must know and understand this Technical Description.

In the event of any conflict within the different languages of the Technical Descriptions, the English version takes precedence.

2 THE STANDARDS SPECIFICATION

2.1 GENERAL NOTES ON THE STANDARDS SPECIFICATION

The Standards Specification specifies the knowledge, understanding and specific skills that underpin international best practice in technical and vocational performance. It should reflect a shared global understanding of what the associated work role(s) or occupation(s) represent for industry and business.

The skill competition is intended to reflect international best practice as described by the WSSS, and to the extent that it is able to. The Standards Specification is therefore a guide to the required training and preparation for the skill competition.

In the skill competition the assessment of knowledge and understanding will take place through the assessment of performance. There will only be separate tests of knowledge and understanding where there is an overwhelming reason for these.

The Standards Specification is divided into distinct sections with headings and reference numbers added.

Each section is assigned a percentage of the total marks to indicate its relative importance within the Standards Specification. This is often referred to as the “weighting”. The sum of all the percentage marks is 100.

The Marking Scheme and Test Project will assess only those skills that are set out in the Standards Specification. They will reflect the Standards Specification as comprehensively as possible within the constraints of the skill competition.

The Marking Scheme and Test Project will follow the allocation of marks within the Standards Specification to the extent practically possible. A variation of five percent is allowed, provided that this does not distort the weightings assigned by the Standards Specification

2.2 STANDARDS SPECIFICATION

SECTION		RELATIVE IMPORTANCE (%)
1	Work organization and management	5
	The individual shall be able to:	
	Follow health and safety standards, rules and regulations including manufacturer's	
	Identify health and safety hazards on construction sites and undertake risk assessments	
	Position warning signs and notices for the safety of the general public	
	Identify and use the appropriate personal protective equipment including safety footwear, ear, and eye protection	
	Take necessary safety precautions when working at heights, e.g. using scaffolding and ladders	
	Select, use, clean, maintain, and store all tools and equipment safely	
	Select, use, and store all materials safely	
	Plan the work area to maximize efficiency and maintain the discipline of regular tidying	
	Consistently measure accurately	
	Work efficiently and check progress and outcomes regularly	
	Consistently maintain high quality standards and working processes	

SECTION		RELATIVE IMPORTANCE (%)
2	Communication and interpersonal skills	10
	The individual shall be able to:	
	Interpret customer requirements and manage customer expectations positively	
	Visualize and translate customer wishes making recommendations which meet/improve their design and budgetary requirements	
	Provide specialist technical advice and guidance on heritage projects	
	Present portfolio of previous work to demonstrate range and quality of experience and expertise	
	Produce a cost and time estimate for customers	
	Recognize the needs of architects and related trades	
	Introduce architects and related trades to support customer requirements	
	Work effectively in a team to facilitate efficiency/ productivity /quality and cost control	
3	Problem solving, innovation, and creativity	5
	The individual shall be able to:	
	Check work regularly to minimize problems at a later stage	
	Challenge incorrect information to prevent problems	
	Recognize and understand problems swiftly and follow a self-managed process for resolving	
	Recognize opportunities to contribute ideas to improve the product and overall level of customer satisfaction	
	Show willingness to try new methods and embrace change	
4	Produce and interpret plans/technical drawings	10
	The individual shall be able to:	
	Produce hand or computer aided designs (CAD)	
	Interpret drawings accurately	
	Produce colour schemes	
	Provide colour matches e.g. for type/era of building	
	Check for specialist requirements, e.g. to be fire retardant	
	Accurately measure from technical drawings and scale	
	Check for accuracy, challenge and make recommendations to architect/ client	
	Accurately calculate quantities of materials required and price work	
	Produce schedules of work	

SECTION		RELATIVE IMPORTANCE (%)
5	Apply paint brush and roller	25
	The individual shall be able to:	
	Check condition of substrates e.g. new or existing, hazardous/ non-hazardous	
	Check type of substrates e.g. timber, plaster (porous and non-porous surfaces), plastic, or metal	
	Use the correct preparation process for the type of substrate to include: cleaning, priming, de-greasing, sealing	
	Prepare the paint following the correct process, including: stirring/mixing/straining	
	Select the appropriate equipment to apply the paint depending on the material, substrate, and quantity of work	
	Take into consideration the effects of temperature on paint e.g. humidity levels and weather conditions for external work	
	Protect the surrounding area to include: coverage of floors/features and signage to avoid effects on people	
	Apply the correct paint system for the type of substrate using brush, roller, paint pad, or spray, e.g. primer, undercoat, and gloss	
	Use masking aids for 'cutting in'/producing accurate lines	
	Regularly check the quality of the painting by opacity test to ensure consistent coverage	
	Refer to other trades where problems emerge (immediately or at a later stage) for investigation, e.g. water stain	
	Check quality of finish meets specification to include no defects and take any corrective action	
6	Apply paint by spray	15
	The individual shall be able to:	
	Check condition of substrate, e.g. new or existing	
	Check type of substrate, e.g. timber, plastic, or metal	
	Use the correct preparation process for the type of substrate to include: cleaning, priming, de-greasing, and sealing	
	Prepare the paint following the correct process, as appropriate, to include: stirring/mixing/straining and viscosity required	
	Select the appropriate equipment to apply the paint depending on the material, substrate, and quantity of work	
	Take into consideration the effects of temperature, on paint, e.g. humidity levels and weather conditions for external work	
	Protect the surrounding area to include: coverage of floors/features and signage to avoid effects on people	
	Select the appropriate spray equipment e.g. HVLP, airless, electro-static, and pressure feed	
	Apply spray paint, following COSHH and manufacturer's guidelines for the type of substrate, e.g. primer, undercoat, and gloss	
	Use large scale masking aids for 'cutting in'/producing accurate lines	
	Clean and thoroughly maintain spray equipment	
	Regularly check the quality of the painting by opacity test to ensure consistent coverage	
	Check film thickness by WFT (wet film thickness) or DFT (dry film thickness)	

SECTION		RELATIVE IMPORTANCE (%)
	Refer to other trades where problems emerge (immediately or at a later stage) for investigation, e.g. water stain	
	Check quality of finish meets specification to include no defects and take any correction action	
7	Apply wallpaper	15
	The individual shall be able to:	
	Check condition of substrate, e.g. new or existing	
	Check type of substrate, e.g. timber, plastic, plaster, or metal	
	Use the correct preparation process for the type of substrate to include: cleaning, priming, de-greasing, sealing for a defect, e.g. water or oil stains	
	Size and seal for even porosity of the surface or apply lining paper as appropriate	
	Check for pattern matching requirements: random, set, off-set, alternate lengths, and reverse	
	Cut and trim wallpaper efficiently for cost effectiveness	
	For high quality/expensive papers take particular precautions, e.g. use of cotton gloves	
	Paste the wall and the paper or use a pasting machine (if not ready pasted) using a range of adhesives e.g. for vinyl, flock, and lincrusta	
	Ensure manufacturer's guidelines are followed with regard to soaking times as necessary	
	Select the best starting position, e.g. working away from the light and take into consideration patterns including murals	
	Hang to vertical or plumb line and check for accuracy, taking corrective action as required	
	Re-plumb as appropriate e.g. around obstacles	
	Ensure joints are butt with exceptions such as damp-proof paper	
	Check for quality, e.g. shade variation and notify manufacturer as appropriate	
	Check overall quality meets customer specification	
8	Apply decorative techniques	10
	The individual shall be able to:	
	Select and use and apply specialist materials e.g. sponging, ragging, bagging, stippling and blending, wood graining, marbling and trompe l'oeil, gilding (gold and silver leaf)	
	Select and use specialist tools, e.g. for gilding	
	Design and apply stencils	
	Apply to a range of surfaces, e.g. cardboard, plastic, timber, plaster, and metal	
	Prepare the surfaces to a perfect finish including clean, smooth, and sized	
9	Apply sign writing/lettering	5
	The individual shall be able to:	
	Take into consideration number of repeats/connections, location of doors, windows, corners, access requirements, room dimensions, stencil size, and spacing when working on walls	
	Follow the required order of application	

SECTION		RELATIVE IMPORTANCE (%)
	Transfer images using different methods, e.g. tracing, pouncing, CAD materials	
	Apply the frisk film using different methods, e.g. spray and roller	
	Ensure enlarging	
	Apply the finish by free hand or template	
	Accurately measure when setting out the lettering	
Total		100

3 THE ASSESSMENT STRATEGY AND SPECIFICATION

3.1 GENERAL GUIDANCE

Assessment is governed by the WorldSkills Assessment Strategy. The Strategy establishes the principles and techniques to which WorldSkills assessment and marking must conform.

Assessment at the WorldSkills Competition falls into two broad types: measurement and judgement. For both types of assessment, the use of explicit benchmarks against which to assess each Aspect is essential to guarantee quality.

The Marking Scheme must follow the weightings within the Standards Specification. The Test Project is the assessment vehicle for the skill competition, and also follows the Standards Specification.

4 THE MARKING SCHEME

4.1 GENERAL GUIDANCE

This section describes the role and place of the Marking Scheme, how the Experts/ Jury will assess Competitors' work as demonstrated through the Test Project, and the procedures and requirements for marking.

The Marking Scheme is the pivotal instrument of the WorldSkills Competition; in that it ties assessment to the standards that represent the skill. It is designed to allocate marks for each assessed aspect of performance in accordance with the weightings in the Standards Specification.

By reflecting the weightings in the Standards Specification, the Marking Scheme establishes the parameters for the design of the Test Project.

Section 2.1 above indicates the extent to which the Marking Scheme and Test Project may diverge from the weightings given in the Standards Specification, if there is no practicable alternative.

4.2 ASSESSMENT CRITERIA

The main headings of the Marking Scheme are the Assessment Criteria. These headings are derived in conjunction with the Test Project

Each Assessment Criterion is defined by a letter (A-I). It is advisable not to specify either the Assessment Criteria, or the allocation of marks, or the assessment methods, within this Technical Description.

4.3 SUB CRITERIA

Each Assessment Criterion is divided into one or more Sub Criteria. Each Sub Criterion becomes the heading for a marking form. Each marking form (Sub Criterion) contains Aspects to be assessed and marked by measurement or judgement, or both measurement and judgement.

Each marking form (Sub Criterion) specified both the day on which it will be marked, and the identity of the marking team.

4.4 ASPECTS

Each Aspect defines, in detail, a single item to be assessed and marked together with the marks, or instructions for how the marks are to be awarded. Aspects are assessed either by measurement or judgement.

4.5 ASSESSMENT AND MARKING

There is to be one marking team for each Sub Criterion, whether it is assessed and marked by judgement, measurement, or both. The same marking team must assess and mark all competitors, in all circumstances. The marking teams must be organized to ensure that there is no compatriot marking in any circumstances.

4.6 ASSESSMENT AND MARKING USING JUDGEMENT

Judgement uses a scale of 0-3. To apply the scale with rigour and consistency, judgement must be conducted using:

- benchmarks (criteria) for detailed guidance for each Aspect (in words, images, artefacts or separate guidance notes)
- the 0-3 scale to indicate:
 - 0: performance below industry standard
 - 1: performance meets industry standard
 - 2: performance meets and, in specific respects, exceeds industry standard
 - 3: performance wholly exceeds industry standard and is judged as excellent

Three Experts/ Jury will judge each Aspect, with a fourth to coordinate the marking and acting as a judge to prevent compatriot marking.

4.7 ASSESSMENT AND MARKING USING MEASUREMENT

Three Experts/ Jury will be used to assess each aspect. Unless otherwise stated only the maximum mark or zero will be awarded. Where they are used, the benchmarks for awarding partial marks will be clearly defined within the Aspect.

4.8 COMPLETION OF SKILL ASSESSMENT SPECIFICATION

Days and allocation of judgement and measurement marks will be finalized at the Competition by the Experts/ Jury, however 30% minimum of measurement and/or blind marking must be carried out on day C4.

Schedule of completed work for marking Judgement = J, Measurement = M

	DAY 1	DAY 2	DAY 3	DAY 4
A: Work organization and management		J/1, M/1	M/2	M/1
B: Communication and interpersonal skills	J/1.5, M/4.5	M/3.5	M/0.5	
C: Problem solving, innovation, and creativity		M/3	J/2, M/6	
D: Produce and interpret plans/technical drawings		M/4	M/1	M/5
E: Apply paint by brush and roller				J/2, M/22
F: Apply wallpaper		J/2, M/13		
G: Apply paint by brush, spray or roller	J/1		M/18	
H: Apply sign writing/lettering			J/1, M/5	
Total marks per day	J/2.50, M/4.50	J/3, M/24.50	J/3, M/32.50	J/2, M/28

Each completed module (or parts thereof) will be assessed on the day on which it is completed, except wallpapering:

- Module 1 (door):
 - Panel door with moulding, inner panel only by spray, door frame and bottom skirting marks. The outer panel, the inner panel and the moulding will be painted in three different colours.
- Module 2 (wallpaper):
 - Cutting and pattern matching to internal corner, clean surfaces, connections, dimensional accuracy.
- Module 3 (Free Technique):
 - Info sheet, artistic composition (Judgement), technical execution, colour concept, accurate implementation.
- Module 4 (Lettering, design):
 - Lettering: correct colour, clean surfaces, straight lines, clean corners, no visible reference lines, dimensional accuracy;
 - Design: correct colour, clean surfaces, straight lines, clean corners, no visible reference lines, dimensional accuracy, overall appearance (Judgement)
- Module 5 (Mural):
 - Clean surfaces, mixing colour tones, mixing colour shade, dimensional accuracy, overall appearance (Judgement.).
- Module 6 (Speed Competition)
 - Speed, precision painting
- Colour mixing (Module 6)
 - Colour tone;
 - Colour shades.

In the first instance the various elements will be arranged according to their quality. The best quality work will be placed first, the least quality work last. Works of an identical quality will be grouped together and given the same number of points.

In the second instance the best work is given the maximum number of points possible for this element, the other works are given lower numbers of points according to their quality.

- Speed competition (Module 6)
At the speed competition all Competitors have to work as fast and as precisely as possible. The expenditure of time will be awarded with maximum 2 marks. The swiftest Competitor will be awarded 2 marks, the others in the order in which they complete the task 0.10 marks less (if there are more Competitors than 20, the marking needs to be changed). Competitors who finish simultaneously will receive the same number of marks, the next Competitor 0.20 or more marks less.
- Dimensional Accuracy
For the dimensional accuracy tests, a deviation of ± 1 mm from the required measurement will be tolerated and deviations of more than 1 mm from the required measurement will be given 0 marks:
 ± 1 mm = 1 Mark.
Maximum 1 mark will be awarded per measurement point.
- Free technique
The free technique will be dismantled and marked according to three criteria:
 - Technical execution, max. 3 marks (measurement)
 - The technical execution will be assessed with measurement criteria.
- Artistic composition, max. 2 marks (judgement);
 - The artistic composition will be assessed with judgement criteria by all the Experts/ Jury.
 - The level of difficulty must also be assessed by the judgement group
- The information sheet will be assessed with measurement criteria, max 0.50 marks;
- Colour concept 1 mark;
- Accurate implementation 2 marks;

The final work needs to match the information sheet.

4.9 SKILL ASSESSMENT PROCEDURES

Final detailed aspects for the measurement marking will be decided by the Experts/ Jury prior to Competition.

The Experts/ Jury will be deployed for marking purposes as follows:

- Judgement marking - total 7 marks
 - Free technique (artistic composition), max. 2 marks;
 - Design (overall appearance) max 2 marks;
 - The artistic composition will be assessed by all the Experts/ Jury including Chief Expert/ Jury and an average mark will be calculated.
- Measurement marking - total 93 marks
 - Three Experts/ Jury for the evaluation which they will do together;
 - One Expert/ Jury compiles the results;
 - All the Expert/ Jury check the compilation;
- Speed competition, total 2 marks
 - One Expert/ Jury compiles the results;
 - Expert/ Jury checks the compilation;
 - Two Experts/ Jury check the reports;
 - All Experts/ Jury check the competition;
- Colour mixing, total 6 marks
 - All Experts/ Jury line the elements according to their quality (as described at section 4.8) whereas at least three Expert/ Jurys have to agree to it;

- One Expert/ Jury compile the results;
- All Experts/ Jury to check the compilation;

4.10 PENALTY SYSTEM

- There will be penalties for Competitors who use forbidden material, tools, or machines.
 - If a Competitor uses a forbidden material, tools, or machine, this must be reported by at least three Experts/ Jury to the Chief Expert in written words on a signed paper sheet. If possible, there should be a photograph taken from the forbidden tool, material, or machine.
 - The penalty for using a forbidden tool, material or machine will be zero marks in the module the tool, material, or machine has been used.

5 THE TEST PROJECT

5.1 GENERAL NOTES

The purpose of the Test Project is to provide full, balanced and authentic opportunities for assessment and marking across the Standards Specification, in conjunction with the Marking Scheme. The relationship between the Test Project, Marking Scheme and Standards Specification will be a key indicator of quality, as will be its relationship with actual work performance.

The Test Project will not cover areas outside the Standards Specification, or affect the balance of marks within the Standards Specification other than in the circumstances indicated by Section 2.

The Test Project will enable knowledge and understanding to be assessed solely through their applications within practical work.

5.2 FORMAT/STRUCTURE OF THE TEST PROJECT

The format of the Test Project comprises a series of separately assessed modules.

- The necessary materials to be used will be made available, already mixed, at the competition venue. Therefore, the colours of the design and the lettering will be precisely indicated when the Test Project is submitted.
 - Primer, middle coat, and semi- or gloss paint for the door
 - Wall paint for panels, top skirting
 - Design colours
 - Paste or wallpaper glue

Criteria for the module five

- Experts/ Jury must draw the mural for module five during the preparation days at the Competition.
- The mural measurements must be no larger than approx. 2200mm -2400mm x 800mm and be designed so that there is no wet paint on wet paint;
- The mural must be done in a minimum of three, maximum of four colours, including the background and comprise the construction in detail;
- The mural will take the form of a speed competition; the maximum time for the speed competition is 1.5 hours. The colour tone mixed by the Experts/ Jury must be reproduced exactly by the Competitor and included in the mural according to the Test Project. The other three colours must be mixed as colour shades. The colour mixing will be completed prior to the speed competition;
- The mural must be done in four colours including the background (project in four levels of grey) and comprise the construction in detail.

5.3 MATERIAL OR MANUFACTURER SPECIFICATIONS

Specific material and/or manufacturer specifications required to allow the Competitor to complete the Test Project will be supplied.

The following material specifications must be complied with at the competition venue:

- All coating materials must be water-based;
- All coatings used on the inner panel for spraying must be suitable for spraying (per the technical data sheet). The provided material has to be suitable with the chosen spray system.
- Wallpapers available commercially in the market;
- The door must be a real door made from MDF with moulding and pre-primed.
- For modules 3, 4, and 5 MDF panels are required, minimum 22 mm thick, for stability.
- The Competitor workstations need to be a minimum of 6m x 2.5m.
- Skirting (top + bottom) must be made from MDF, pre-primed and fixed with screws (no nails)

6 SKILL-SPECIFIC SAFETY REQUIREMENTS

The following skill-specific safety requirements apply:

All Competitors must use safety glasses and masks when using any hand, power, or machine tools or equipment likely to cause or create chips or fragments that may injure the eyes;

All Competitors must bring and use:

- Coveralls;
- Work gloves;
- Rubber gloves;
- Safety goggles (white glass);
- Regular P2 vapour respirator;
- Shoes.

7 MATERIALS AND EQUIPMENT

7.1 INFRASTRUCTURE LIST

The Infrastructure List details all equipment, materials and facilities provided by the Competition Organizer.

The Infrastructure List is attached.

The Infrastructure List specifies the items and quantities required.

The Infrastructure List does not include items that Competitors are not allowed to bring – they are specified below.

7.2 MATERIALS, EQUIPMENT, AND TOOLS SUPPLIED BY COMPETITORS IN THEIR TOOLBOX

The following tools and materials (incl. tools and materials for the special painting technique) will be brought by the Competitor in a toolbox:

	ITEM	PICTURE
1	Materials for module three, free technique	

8 PROPOSED WORKSHOP AND WORKSTATION LAYOUTS



Sample workshop layout: Side with the door: 2.00 m x 2.50 m, Side with no door: 4.00 m x 2.50 m

The Experts/ Jury will consider and confirm the following criteria prior to the Competition.

- Workstation
- A workstation with a wall to work on will be made available to each Competitor. The area for the workstation for each Competitor must be 5 m x 6 m.
- Type of construction
- The walls must consist of MDF and must have been filled, sanded, primed, and given an opaque coat of matt white, water-based paint of a quality suitable for walls (dispersion paint) before the beginning of the competition. The finished walls must be tested for adhesion strength with adhesive tape!
- Preparation at the Competition venue (by the Workshop Manager)
- The surfaces to be treated (walls, doors, panels, etc.) must be prepared by the respective Workshop Manager Assistant according to the instructions for the assignment/given by the Chief Expert. The templates, lettering, and transfer sheets must adhere to the surface (work surface in the booth) but should not cause damage when removed. The sheets will be tested by the Workshop Manager and made available after consultation of the Chief Expert.
- Workstation layout
- The space must be made available for the work booths and work stations of the Competitors according to the layout above. This layout is binding.
- General terms and conditions concerning the workstation
- The following general requirements apply to the workstation:
 - The lighting of the worked-on walls must remain constant at 600 lux (without shadows);
 - The light has to be equal in every work bay at every time during the day and evening during assessment;
 - The workstation must not be located close to professions that cause dust and must provide as much daylight as possible;
 - The workstation needs to include an Expert/ Jury and Competitor corridor at the front. The corridor needs to be clean and walkable. The workstations are not included in the corridor.

9 TEST PROJECT GUIDELINES

9.1 DESCRIPTION OF PROJECT AND TASKS

The Competitor has to carry out, independently, the following tasks:

- All preparations of base walls and woodwork;
- Application of water-based filler, primer, undercoat, semi and gloss finish;
- Application with filling tools, paintbrush, and paint roller;
- Preparation and application of wall hangings;
- Drawing and attaching a design;
- Attaching lettering and signs;
- Measuring points;
- Painting of colour bands;
- Application of a free painting technique of the Competitors own choice;
- Pre-fabricated foils are allowed.

9.2 INSTRUCTIONS TO THE COMPETITOR

Workstation size for the Competitor: 2.00m x 4.00m wide and 2.50m high. Between the corner of Wall A and B angle from 130 degree.

Open on the front side (facing the visitors).

Wall A (2.50m x 2.00m) for door and wall-paper hanging.

Wall B (2.50m x 4.00m) for decoration design and lettering, wall-paper hanging, colour bands, and free painting technique.

The Competitors will be allowed to enter the work bay five minutes before the start in the morning and after every break during the day. They are allowed to prepare their tools and clean up the work bay. But it is forbidden to do any work on the walls, panels, door, etc. and also no preparation of the paints (e.g. thinning, decant, mixing up etc.)

Decoration design, lettering, and measuring (approx. 9 hours)

Painting door (approx. 6 hours)

Hanging wallpaper (approx. 1.5 hours)

Free technique - demonstrate personal abilities (approx. 2 hours) Painting colour stripes and measuring (approx. 1.5 hour)

Total time +/- 20 hours

9.2.1 Wall A: Door with moulding, Top, and bottom skirting

Surfaces are made of MDF, pre-coated by the Workshop Manager by roller, brush or spray. The primer has to be waterborne and suitable with the industry standard.

Apply undercoat and apply gloss or semi-gloss finish.

If necessary, you can abrade smooth, fill the door with waterborne filler.

Door may be removed for filling and sanding but must be upright for painting. If door is being painted when it is not hanging on hinges it must stand inside the competitors work area. Hinges may be taped or removed and must be replaced before the end of the competition (last day, before the Competition starts)

Outer Panel

The paint for the outside of the moulding/section may be applied with a roller, a brush or paint pad.

Spatulas or other painters' tools are not allowed. (Colour 1). That means no rags, no knives, no tape, no other masking material can be used while painting on the outer Panel and the outside of the moulding. You are only aloud to protect these sections for spraying the inner panel.

Moulding

The moulding needs to be painted with a roller, a brush or paint pad. Spatulas or other painters' tools are not allowed (except masking the inner edge)

The Moulding must be masked on the inner edge. The last edge of the moulding regarding to the outer panel must be kept free from any masking tape at any time.

Inner Panel

The inside panel of the door must be masked and painted with a spray gun.

Every coat applied by the competitor on the inner panel has to be applied with a spray gun (except filling)

Every Competitor will get two 15 min Timeslots per day from day one to day three (one in the morning, one in the afternoon) the timeslots will be chosen by drawing a lot.

Bottom skirting on Wall A/B

Preparation and coatings similar to the outer Panel and the moulding (by hand, no spraying)

You are allowed to apply undercoat, and apply gloss or semi-gloss finish on day 1.

At least one more coat has to be applied during the Competition (Except the section with the free technique)

Upper Skirting on Wall A/B

Preparation and Coatings similar to the Walls and Panels with a finish of white wall Paint. All the work including filling etc. can be done on day 1.

Time to finish: Day 1 to day 3 Marking: 20 marks (of 100)

9.2.2 WALL A and B: Wallpaper

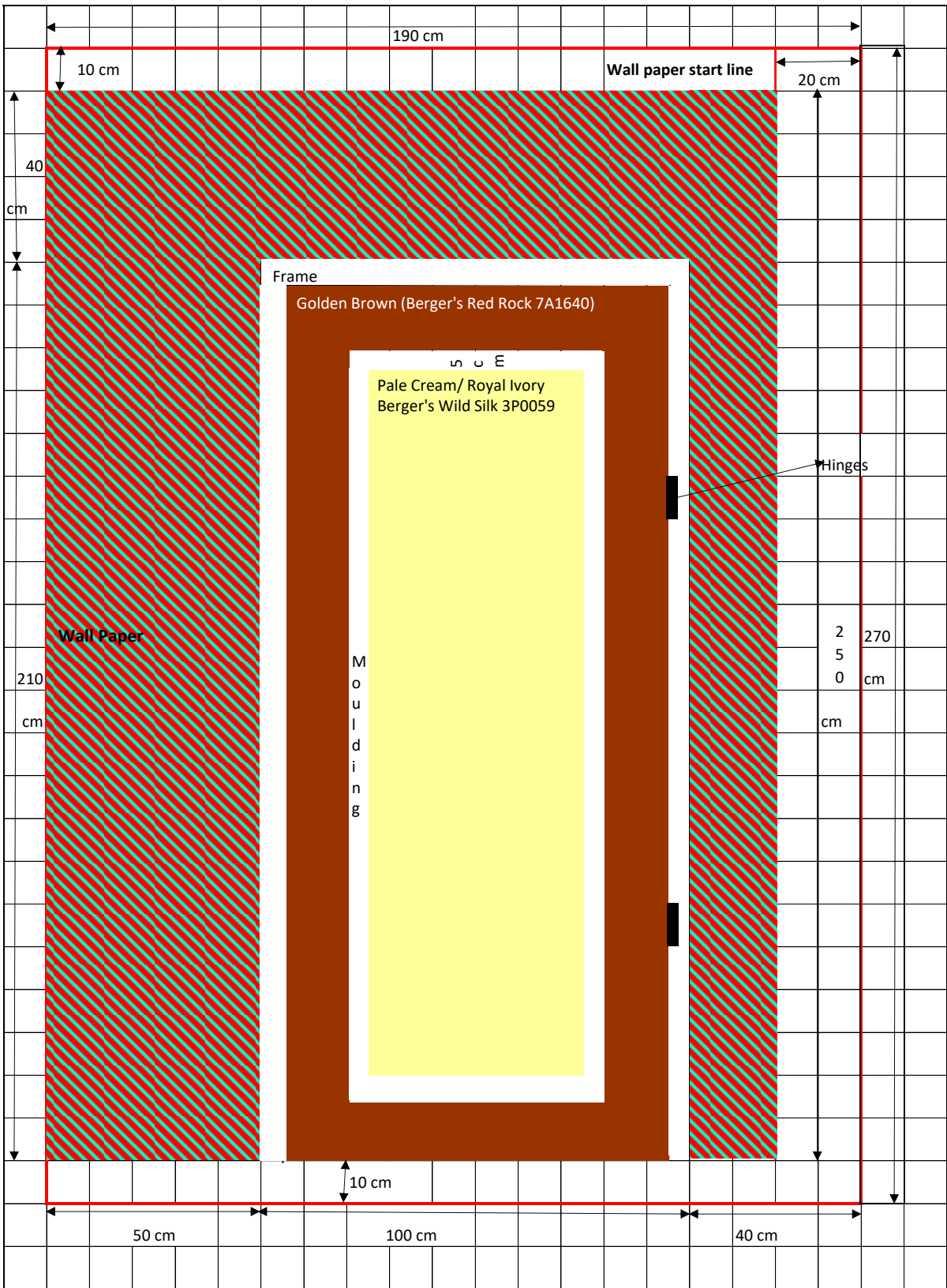
Corner must be cut and must have an overlap between 1-10mm.

The measurements of the panel and the areas to apply the wallpaper are given on the plan. The work area is constructed from MDF or similar and is prepared by the Workshop Manager with a white wall paint. The surface has to be prepared professionally in advance to allow for perfect papering of the wall.

The wallpaper must be cut in the corners/angles. The glue/adhesive will be ready mixed.

Prepare the panel. Hang wallpaper as per drawing. The paper must be matched correctly and hung vertically. Everybody will get two rolls. Top and bottom skirting, door frame, and all the surrounding walls must be kept clean.

Time to finish: End of day 1 Marking: 18 marks (of 100)



9.2.3 Wall B: Design

The wall is ready painted with white colour.

Construction of a given design.

The Design must be drawn using only a black graphite pencil. Guidelines should not be visible. It is not permitted to scratch with a knife, a needle, or any other tool at any time.

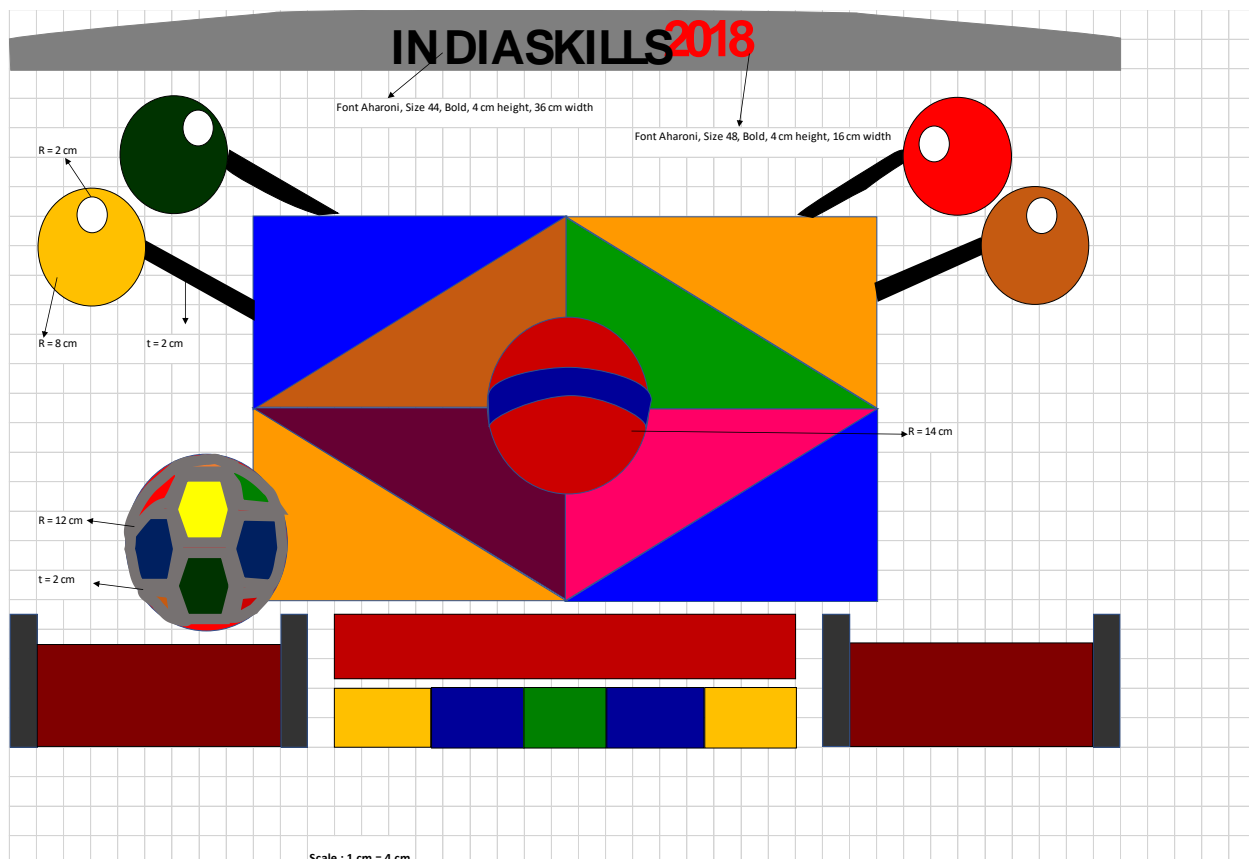
Freehand painting without the use of masking tapes, masking films or masking shields.

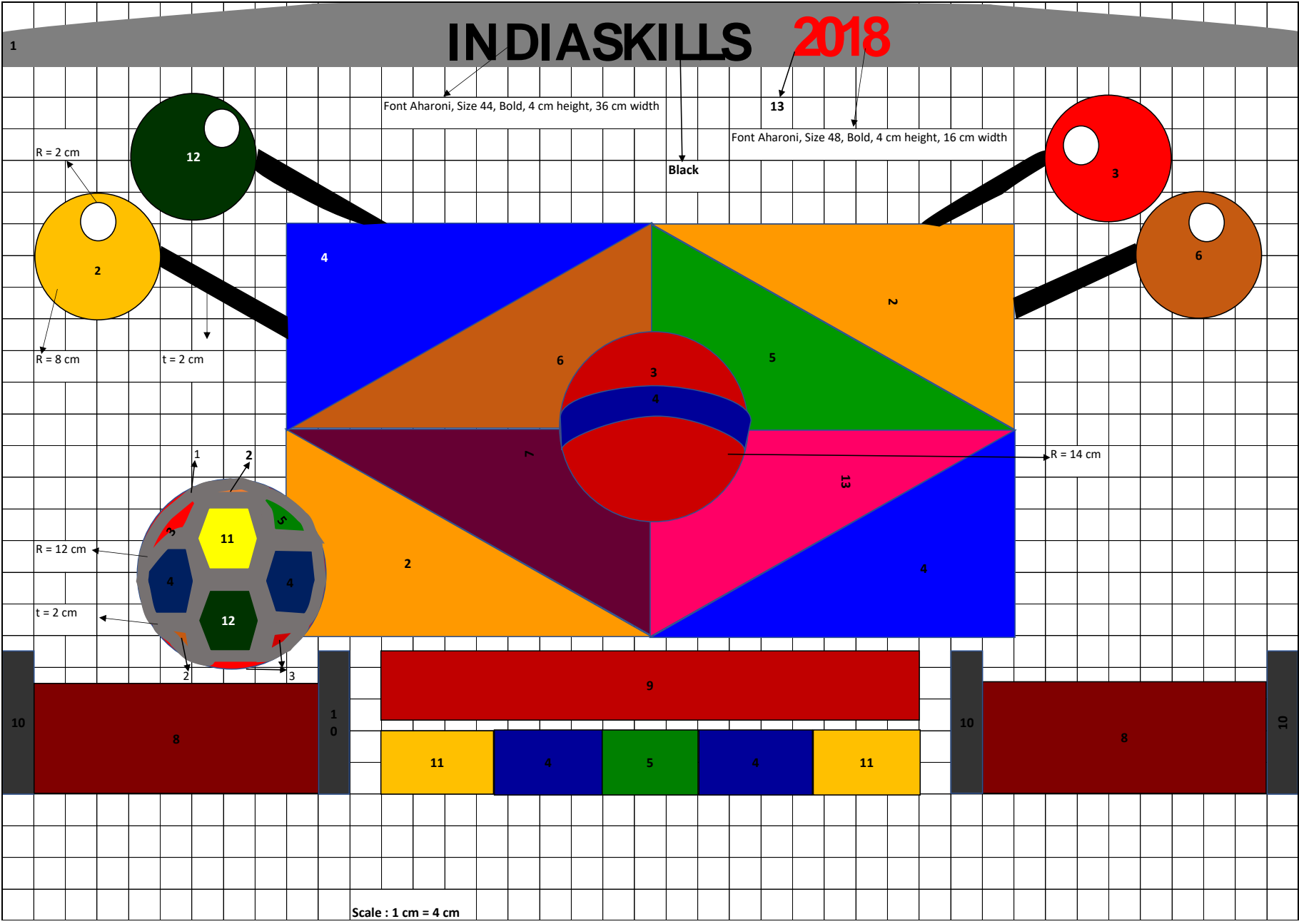
Use of masking tape for Protection of the surrounding areas on the design panel is allowed, but it is not allowed to paint any edge with any kind of masking material. It has to be freehand painted only by using paintbrush, paintroller, and painter-ruler/mal-stick. The painter-ruler/mal-stick has to be made of a stiff material (not flexible/bending) and the painter-ruler/mal-stick has to have a minimum distance to the surface of 5.00 mm on every side of the tool. The painter-ruler/mal-stick will be checked by the experts/jury before the Competition and every competition day.

All original colours will be provided, and must be applied as shown on the colour schedule.

Some parts of the Design will be provided 1:1 as an already cut sign mask film similar to the lettering, and has to be painted in the given colour.

Lettering: The lettering will be provided 1:1 as an already cut sign mask film and has to be painted in the given colour.





Colours

The colours have been selected from Berger Paints' colour card. The description of the colour is indicated against the number given in the design above

Colour Number	Colour Name
1	Silver Plume 8T1796
2	Aztec Gold 200694
3	Ragging Red 1A0374
4	Night Sky 5A1144
5	Spring Jolt 3A0872
6	Sunset Cruise 200655
7	Fuscia Loss6A0308
8	Ancient Pottery 1D0559
9	Bright Raspberry 6A0360
10	Hidcote Manor
11	Sunita Sun 3D0251
12	Lucky Clover 4A0912
13	Wild and Crazy 1A0364

9.2.4 Wall B: Colour design, Colour mixing and Speed

Competition Panel: (the wall is ready painted, white colour)

Colour Design

The measurements of the panel are 2440 mm x 1220 mm. The working area is manufactured from MDF and will have been given an undercoat (white dispersion).

Experts/ Jury must draw the mural for module 5 on the preparation days of the Competition.

Murals will be designed so that there is no wet paint on wet paint. Constructing of a given design on the panel and paint the elements with three colours according to the plan. All The elements have to be masked by the given tape provided by the Workshop Manager.

The Design will be shown to the competitors during the briefing 30 mins before the start of the speed competition. The panel needs to be painted with one of the mixed colours (Colour 1 or 4) by the competitor before the start of the speed competition. The edge of the board will be covered with the given masking tape (so the edge stays white underneath) The Competitor is not allowed to do any reference marks on the panel or the surrounding tape before the speed competition starts.

Colour mixing

Mixing of two predetermined colours (1 and 4) and in harmonic nuances. (two coloured grading.)

The Competitors will get five wooden boards. Four plates with colour samples (two with Colour one and two with colour four) mixed by the experts/ jury, and also 1 wooden plate with a white undercoat for Colour Graduation, the wooden plates will be approx. 21 x 29.7cm (A4 format). All the given boards have to be given back to the Experts/ Jury for assessment.

The half of two boards with the mixed colour on (Colour 1 and 4) will be covered with masking tape and sealed by the Experts/ Jury. The other half of the two boards must be painted by the Competitors with their mixed colours.

The other two boards are for testing.

Speed Competition

The Competitors will have a Briefing for the Speed competition 30 min before the Start. This means:

- 10 min briefing by the Chief Expert
- 10 min expert/ jury communication without taking notes
- 10 min preparation of the work bay by the Competitor.

The protection of the surrounding areas e.g. design plate and free technique have to be done during the competition time.

All Competitors will start simultaneously with the Colour design. The Competitor who finishes first will get the maximum of two Points. Every Competitor behind will get 0.25 points less according to the position they finish Competitors who finish within 30 seconds will get the same amount of points.

9.2.5 Wall B: Free technique

The area for the free technique will be approx. 90-100cm wide and 240-250cm high. The top and bottom end will have a skirting. The wall is ready painted with white colour.

Application of a decorative painting technique chosen by the Competitor. Materials/tools for this exercise must be brought by Competitor.

No wallpaper and glass fibre are allowed.

Also elements in three dimensions are not allowed.

Spraying is not allowed at all on the free technique (no spray guns, spray cans or similar) Prefabricated

templates are allowed (ready cut masking film).

The whole dimensional area must be covered by a manual technique. The use of pre-prepared materials for projection are permitted, however all techniques must be applied manually.

The projection of a pattern via beamer or similar appliance must be done within the provided work space.

All the work must be done within the work booth, which the Competitor must not leave.

The free technique module must include an info sheet, this is to be brought along to the Competition and include the following points:

- Competitor name and state;
- Applied materials for the free technique (only water-based material);
- Layout for the free technique, without dimensions.

This Info sheet must be given to the Chief Expert before start the Competition on day 1. It will be appraised in module three.

Layout for the free technique with coloured draft (plan) or coloured, printed photo, without dimensions. The Competitor needs to use the whole surface of the free technique panel.

Time to finish: Day 1 to day 3

Marking: 9 marks (of 100)

NOTE : A minimum 30% change in the Test Project will be effected on C-1 (one day before the start of the competition).

A

B

