Test Project

Plastering and drywall systems

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**Introduction**

* In order to conform to the Technical Description, the Test Project is modular, it contains five modules. Each module is assessed separately which means that a mistake on one module doesn’t result in a loss of points in another module.
* The Test Project is given to Competitor on Familiarization Day (C-2) for tree hours then taken away, The Expert and the Translator can work with the Competitor for the first hour only.
* In this tree hours the Competitor will produce a list of all components and materials they require to complete the build and finish the Test Project. (C chanel, C stud, plasterboards) This will be part of the Test Project assessmen.
* Any notes to be produced on paper provided by WSI (all numbered), all notes to remain “on stand”.
* Each eavening the Toolboxes should be cloased and the work area should be perfectly clean. (this will happen during the competition time).

# Description of project and tasks

## Module 1 and Module 2

**Days: C1 and C2**

**Time allowed: 6:00 (C1) + 2:30 (C2) hours for building and insulation**

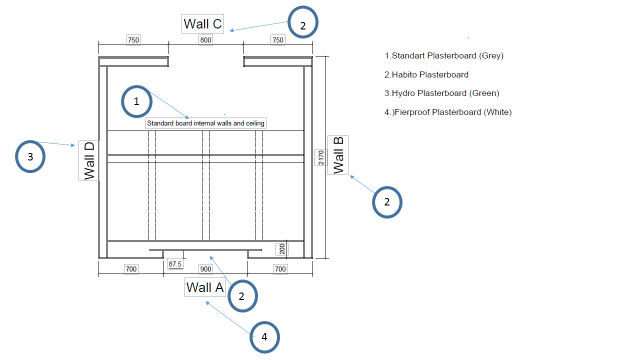
### Instructions Module 1

* This module consists of building walls in plasterboard on a metal frame with Oppenings, embrasures, windows... There is a ceiling inside the construction. The ceiling and faces must be finished with a plasterboard
* The dimensions are that of the plasterboards. Dimensions will be assessed before the application of the finish (Q2-Q4).
* The squareness and plumbness will be assessed before the application of the finish.
* Unlike an actual building site where the plasterboards are raised up from the floor to avoid capillary action, the plasterboards will be set on the floor for the better stability of the Test Project and can be fixed with screws in the C chanel.
* Technically we request:
  + A maximum of 250mm spacing between the screws on walls
  + A maximum of 170mm spacing between the screws on ceiling
  + Steel studs must be set upright and plumbed
  + Steel studs must be fixed to the lower and the upper steel chanel
  + The top and of the structure is covered with plasterboard, all dimensions reflect this plasterboard
  + The first skin of plasterboard should be jointed.
  + The Plasterboards can only be fixed in vertical way.
* Tolerances are specified in paragraph 4.9 of the technical description WSC2019\_TD21\_EN Date: 22.08.18 – V7.0
* The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.

### Instructions Module 2

This module consists to put insulation inside the elevation C and the complet ceiling construction, between each stud.

* The outside part of the wall should be leavd completely open on C1 and the insulation will be assesd in the eavening of C1 after competition end (wall and ceiling), on C2 the wall should be planked referred on the drawings.
* The purpose of this module is to show the public how an acoustic wall is built which is why the Competitor must leave a part of the wall open on the front side. Dimensions are given.



**Material List**

**Quantity in Pieces**

|  |  |  |
| --- | --- | --- |
| 1. Standart Plasterboard (Grey) | ……………………………………….pcs. |  |
| 2. Habito Plasterboard | ……………………………………….pcs. |  |
| 3. Hydro Plasterboard (Green) | ……………………………………….pcs. |  |
| 4. Fierproof Plasterboard (White) | ……………………………………….pcs. |  |
| 5. 75mm/3m UW C chanel | ……………………………………….pcs. |  |
| 6. 75mm/3m CW C studs | ……………………………………….pcs. |  |

## Module 3

**Day: C 3**

**Time allowed: 5:30 Hours**

### Instructions Module 3

* The (Edges) outside angles will be reinforced by No-Coat Ultraflex inkludink all oppenings on both sides.
* The top of the construction should be finished without angle reinforcement and should be done sharp.
* The front of the ceiling will be renforced by Gyproc angle bead (metal)
* The inside angles from the walls, ceiling will be reinforced by Gyproc paper tape.
* The joints will be reinforced with Gyproc paper tape.
* Elevation A: Q4, the Edges from the arch opening should be finished without angle reinforcement and should be done sharp, the plasterboards connection in this arch construction should be covered with paper tape.

The back wall from the arch opening should be in Q2

* Elevation B: Q3
* Elevation C: Q3
* Elevation D: Q4
* Internal Walls: Q2
* Ceiling: Q3
* The coating of the Q4 surfaces will be perfectly smooth.
* The module will be finished using the Taping and Jointing system using Saint Gobain Rifino Plus.
* Tolerances are specified in paragraph 4.9 of the technical description WSC2019\_TD21\_EN Date: 22.08.18 – V7.0 and on the DEMO models
* The Competitor must pay particular attention to the organization of their workspace; it’s cleanliness during and after the task.

## Module 4

**Day: C 4**

**Time allowed: 2 Hours**

### Instructions

### THIS WILL BE A SPEED MODULE

* This module consists of applying mouldings premade of plaster to a wall (elevation B and C) and textured mixture, mineral, 1.5 mm Positive structured measurement will be given.
* The Mouldings will be supplied; the candidates will fix them, all the cuts and mitres must have a clean and smooth finish.
* The mitres of mouldings will be filled with fine casting plaster (chosen/mixed by competitors).
* Tolerances are specified in paragraph 4.9 of the technical description WSC2019\_TD21\_EN Date: 22.08.1 – V7.0

## Module 5

**Day: C 4**

**Time allowed: 2 Hours**

### Instructions

* This module consists of freestyle work on the elevation D. The competitor can use any technique specified in paragraph 5.3 of the technical description WSC2019\_TD21\_EN Date: 22.08.1 – V7.0
* This module must be done in the given space an must not exceed the given dimensions
* For the purpose of this module, as the space for creating the freestyle is known to the competitors in advance, the competitor can bring patterns for cutting or setting up as well as templates in paper, plastic, wood or silicone
* Competitors may not bring prefabricated mouldings or any other item intended to be attached directly to the project/wall.
* Creativity, the quality of the work and the best use of the space allocated will be assessed.
* A draft of the project must be brought to the competition on C 3 and must specify 2 dimensions to be assessed.
* There can be no changes made to the draft brought on day C3.
* Tolerances are specified in paragraph 5.3 of the technical description WSC2019\_TD21\_EN Date: 22.08.1 – V7.0

# Instructions to the Competitor

* The Competitor must pay particular attention to the organization of their workspace and works in compliance with the regulations WorldSkills Health, Safety, and Environment policy and guidelines document.

# Equipment, machinery, installations, and materials required

* All materials to be used for the construction and finishing of this project are available in the Infrastructure List
* See the technical description paragraph **8.3-8.5** of WSC2019\_TD21\_EN Date: 22.08.1 – V7.0

# Marking Scheme

* See the technical description paragraph 2.2 of the technical description WSC2019\_TD21\_EN Date: 22.08.1 – V7.0

# Other

* You can be, and we are proud of you that you participat on the 2019 Worldskills in Kazan under the best from the world, Good Luck! Work safely! Work fearly!