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| Croquis / Justifications  | Rep | N° | Désignation - Calculs | U | Quantité |
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**DR1 - AVANT MÉTRÉ POUR L’I.T.E.**

**DR1 - AVANT MÉTRÉ POUR L’I.T.E.**

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| Croquis / Justifications  | Rep | N° | Désignation - Calculs | U | Quantité |
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**DR2 – DÉBOURSÉ HORAIRE MOYEN OUVRIER**

|  |  |
| --- | --- |
| **Eléments de calcul** | **Catégorie et positon des ouvriers** |
|  |  |
| Salaire Mensuel de base  |  |  |
| **Eléments ASSUJETTIS** |  |  |
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|  **SOUS TOTAL SOUMIS AUX C.S**  |  |  |
| **Charges Salariales :** ……….……  |  |  |
| **TOTAL** |  |  |
|  |  |  |
| **Eléments NON ASSUJETTIS** |  |  |
|  |  |  |
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| **SOUS TOTAL INDEMNITES NON ASSUJETIES** |  |  |
| **DEBOURSE MENSUEL TOTAL** |  |  |
| Temps de travail productif |  |
| **Déboursé horaire par catégorie** |  |  |
| Nombre d’ouvriers par catégorie |  |  |
| Déboursé horaire moyen pour l’équipe |  |

**DR3 - CALCUL DES RATIOS POUR L’I.T.E**

|  |  |
| --- | --- |
| **Désignation - calculs** | **Résultat** |
| **Matériaux et main d'œuvre pour 1 m² de surface courante d'ITE** |
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| **Matériaux pour 1 ml de rail de départ** |
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**DR4 – SOUS DÉTAILS DE PRIX**

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| --- | --- | --- | --- | --- |
| **Désignation / Calculs** | **U** | **Quantité** | **D.U** | **Déboursés secs** |
| **M.O** | **MATX** | **MATL** |
| **Article :**  |
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|  | DS partiels  |  |  |  |
|  DS Total |  |

**DR4 – SOUS DÉTAILS DE PRIX**

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| **Désignation / Calculs** | **U** | **Quantité** | **D.U** | **Déboursés secs** |
| **M.O** | **MATX** | **MATL** |
| **Article :**  |
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|  | DS partiels  |  |  |  |
|  DS Total |  |

**DR4 – SOUS DÉTAILS DE PRIX**

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| **Désignation / Calculs** | **U** | **Quantité** | **D.U** | **Déboursés secs** |
| **M.O** | **MATX** | **MATL** |
| **Article :**  |
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|  | DS partiels  |  |  |  |
|  DS Total |  |

**DR5 - DPGF DU LOT 8 - ISOLATION THERMIQUE PAR L'EXTÉRIEUR**

**1. CADRE DE DÉCOMPOSITION**

***BASE***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N°** | **DÉSIGNATION** | **U** | **Q** | **en € Euros - H.T.** |
| **PU** | **PT** |
| **1.** | **ISOLATION THERMIQUE EXTÉRIEURE** |
| **1.01** | **Isolation thermique extérieure** |  |  |  |  |
|  | 1.01.1 - Profil de départ en partie basse | ml | **78.00** |  |  |
|  | 1.01.2 - Surface courante verticale  | m² |  |  |  |
|  | 1.01.3 - Mise en œuvre horizontale en sous face  | m² | **12.00** | 127.50 € |  |
|  | 1.01.4 - Traitement des linteaux | ml | **52.00** | 22.50 € |  |
|  | 1.01.5 - Traitement des jambages | ml | **100.00** | 22.00 € |  |
|  | 1.01.6 - Profil d'arrêt en tête contre bardage tuile | ml | **67.00** | 13.50 € |  |
| **1.02** | **Recoupement des façades par bande en laine de roche** | ml | **160.00** | 15.80 € |  |
| **2.** | **PEINTURE EXTÉRIEURE** |  |  |  |  |
| **2.01** | **Peinture sur béton extérieur** | m² | **125.00** | 15.50 € |  |
| **2.02** | **Enduit et peinture de finition sur muret existant** |  |  |  |  |
|  | 2.02.1 - Repiquage et réfection d'enduit existant | m² | **105.00** | 10.00 € |  |
|  | 2.02.2 - Peinture sur enduit | m² | **105.00** | 25.00 € |  |

**Total Hors Taxes H.T.** en Euros €

**Taxe sur la valeur ajoutée T.V.A. de 20,0 %** en Euros €

**Total Toutes Taxes Comprises T.T.C.** en Euros €

**DR6 – CHOIX DES PEINTURES (IMPRESSION SI NÉCESSAIRE ET FINITION)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article CCTP | Exigence CCTP | Support | Finition | Choix finition / justification exigences | Impression si necessaire |
| **2.01 Peinture élémentaire mate en phase aqueuse** |  |  |  |  |  |
| **2.02 Peinture fibreuse projetée** | - Revêtement décoratif à grain**-** Classement AFNOR : Famille 1-classe 7a2**-** Aspect : mat**-** Taux de COV ≤ 200 g/L | béton | B | **PRAYA****-** Classement AFNOR : **Famille 1-classe 7a2****-** Aspect : **mat****-** Taux de COV conforme : **12g/L** | **Enduit CILD (non quantifiée)** |
| plaque de plâtre | **PROLOG** |
| **2.03 Peinture acrylique satinée sur murs** |  |  |  |  |  |
|  |  |
| **2.04 Peinture acrylique mate sur plafonds** | **-** Aspect : mate**-** Classement AFNOR : famille 1 – classe 7b2**-** Label NF Environnement**-** Résistance à l’abrasion humide : Classe 2**-** Taux de COV : ≤30g / L**-** Emission dans l’air intérieur : Classe A  | peinture fibreuses | B | **ADEQUA SILMAT****-** Aspect : mate**-** Classement AFNOR : famille 1 – classe 7b2**-** Label NF Environnement**-** Résistance à l’abrasion humide : Classe 2**-** Taux de COV **conforme : 5 g/L****-** Emission dans l’air intérieur : **Classe A+ > Exig.** | - |
|  |  | plaque de plâtre et béton |  |  | **ADEQUA PRIM** |

**DR7 – QUANTITES NÉCESSAIRES DE PRODUIT DE PEINTURE**

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| --- |
| **2.01 - Peinture élémentaire en phase aqueuse** |
| Article CCTP | Produitsfinition et impression si nécessaire | Consommation | Quantité à mettre en œuvre | Quantité nécessaire |
| 2.01.1 - Sur murs |  |  |  |  |
| 2.01.2 - Sur plafonds |  |  |  |  |

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| **2.02 - Peinture fibreuse projetée** |
| Article CCTP | Produitsfinition et impression si nécessaire | Consommation | Quantité à mettre en œuvre | Quantité nécessaire |
| 2.02.1 - Sur support murs béton | **PRAYA** | 1 kg/m² | 800.00 m² | 800 kg |
| **-** | - | - | - |
| 2.02.2 - Sur support plafonds béton | **PRAYA** | 1 kg/m² | 490.00 m² | 490 kg  |
| **-** | - | - | - |
| 2.02.3 - Sur support plafonds plaque de plâtre | **PROLOG (IMPRESSION)**  | 0.11 L/m² | 905.00 m² | 99.55 L |
| **PRAYA** | 1 kg/m² | 905.00 m² | 905 kg |
| 2.02.4 - Sur support plafonds plaque de plâtre | **PROLOG (IMPRESSION)** | 0.11 L/m² | 160.00 m² | 17.60 L |
| **PRAYA** | 1 kg/m² | 160.00 m² | 160 kg |

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| **2.03 - Peinture acrylique satinée sur murs** |
| Article CCTP | Produitsfinition et impression si nécessaire | Consommation | Quantité à mettre en œuvre | Quantité nécessaire |
| 2.03.1 - Sur peintures fibreuses dans pièces sèches |  |  |  |  |
| 2.03.2 - Sur peintures fibreuses dans pièces humides |  |  |  |  |
| 2.03.3 - Sur plaques de plâtre dans pièces sèches |  |  |  |  |

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| **2.04. Peinture acrylique mate sur plafonds** |
| Article CCTP | Produitsfinition et impression si nécessaire | Consommation | Quantité à mettre en œuvre | Quantité nécessaire |
| 2.04.1 - Sur peintures fibreuses dans pièces humides  | **ADEQUA SILMAT****(FINITION)** | 0.09 L/m² | 620.00 m² | 55.80 L |
| **-** | - | - | - |
| 2.04.2 - Sur peintures fibreuses dans pièces sèches | **ADEQUA SILMAT****(FINITION)** | 0.18 L/m² | 70.00 m² | 12.60 L |
| **-** | - | - | - |
| 2.04.3 - Sur plaques de plâtre dans pièces sèches | **ADEQUA PRIM****(IMPRESSION)** | 0.17 m²/L | 11.00 m² | 1.87 L |
| **ADEQUA SILMAT****(FINITION)** | 0.18 L/m² | 11.00 m² | 1.98 L |
| 2.04.4 - Sur bétons dans pièces sèches | **ADEQUA PRIM****(IMPRESSION)** | 0.17 m²/L | 85.00 m² | 14.45 L |
| **ADEQUA SILMAT****(FINITION)** | 0.18 L/m² | 85.00 m² | 15.3 L |

**DR8 – BON DE COMMANDE DES PRODUITS DE PEINTURE**

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| **Produits** | **Quantité nécessaire** | **Conditionnement** | **Commande** |
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**DR9 - CALCUL DU CRÉDIT D'HEURES DU LOT 9 - PLATRERIE- PLAFONDS SUSPENDUS**

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| --- | --- | --- |
| Rez de chaussée | R+1 | R+2 |
| N° | Désignation | U | T.U productif | Quantité | C.Heures | Quantité | C.Heures | Quantité | C.Heures |
|  | **HABILLAGES ET DOUBLAGES** |  |  |  |  |  |  |  | 14.00 |
| 1.01 | Confection de soffites de dimensions 20 x 20 cm | ml |  | 10.00 |  | 14.00 |  | 14.00 |  |
| 1.02 | Habillage d'ébrasements en plaque de plâtre standard  | ml |  | - |  | - |  | 61.00 |  |
| 1.03 | Doublage thermo-acoustique  | m2 |  | 73.00 |  | 51.00 |  | 51.00 |  |
|  | **CLOISONS**  |  |  |  |  |  |  |  |  |
| 2.01 | Cloisons de distribution  | m2 |  | 123.00 |  | 164.00 |  | 164.00 |  |
| 2.02 | Plus value pour de plaques de plâtre hydrofugées | m2 |  | 32.00 |  | 59.00 |  | 59.00 |  |
| 2.03 | Contre cloisons sanitaires | m2 |  | 4.00 |  | 7.00 |  | 7.00 |  |
| 2.04 | Cloisons en carreaux plâtre hydrofuge  |  |  |  |  |  |  |  |  |
|  | 2.04.1 Carreaux standard pour recoupement des gaines palières | m2 |  | 4.00 |  | 4.00 |  | 4.00 |  |
|  | 2.04.2 Carreaux hydrofuge | m2 |  | - |  | 6.00 |  | 6.00 |  |
|  | **GAINES TECHNIQUES** |  |  |  |  |  |  |  |  |
| 3.01 | Confection de gaines techniques isolées | m2 |  | 15.00 |  | 25.00 |  | 25.00 |  |
|  | **PLAFONDS FIXES EN PLAQUES DE PLATRE** |  |  |  |  |  |  |  |  |
| 4.01 | Plafonds fixes lisses en plaque de plâtre  |  |  |  |  |  |  |  |  |
|  | 4.01.1 Surface isolant  | m2 |  | - |  | - |  | 320.00 |  |
|  | 4.01.2 Surface plafond plâtre | m2 |  | - |  | - |  | 255.00 |  |
|  | **OUVRAGES DIVERS** |  |  |  |  |  |  |  |  |
| 5.01 | Raccords de finition | ens |  | 1 |  | 1 |  | 1 |  |
| 5.02 | Trappe d'accès dans contre cloisons sanitaires | pce |  | 3 |  | 4 |  | 4 |  |
|  | Total |  | Total |  | Total |  |
|  |
|  | Crédit d'heures productif |  |
|  | Crédit d'heures présence |  |
|  | Délai planning T.C.E |  |
|  | Nombre d'ouvriers |  |

**DR10 - CALCUL DES DURÉES DES TACHES DU LOT 9.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tâches | Désignation | Crédit d'heures productifde la tâche | Crédit d'heures présence de la tâche | Tâche antécédente | Equipe | Durée de la tâche par l'équipe (arrondi à 0.5 proche)  | Lien entre tâche  |
| **RdC** |  |
| A0 | Doublage | **25.55** | **26.34** | - | **E1** |  | - |
| B0 | Cloisons | **114.39** | **120.41** | - | **E2** |  | - |
| C0 | Cloisonnementtechnique | **21.09** | **21.74** | A0 | **E1** |  | Fin - Début : 0 |
| D0 | Raccords finitions | **6.65** | **7** | C2 | **1 ouv E2** |  | Fin - Début : 0 |
| **R+1** |  |
| A1 | Doublage | **17.85** | **18.40** | C0 | **E1** |  | Fin - Début : 0 |
| B1 | Cloisons | **152.52** | **157.65** | B0 | **E2** |  | Fin - Début : 0 |
| C1 | Cloisonnementtechnique | **32.30** | **33.29** | A1 | **E1** |  | Fin - Début : 0 |
| D1 | Raccords finitions | **6.65** | **7** | C2 | **1 ouv E2** |  | Fin - Début : 0 |
| **R+2** |  |
| A2 | Isolation plafonds & plafonds  |  |  | C1B1 | E1E1+E2 | Fin - Début : 0La durée sera déterminée de manière graphique car l'équipe E1 réalisera cette tâche en partie seule, puis avec le renfort de l'équipe E2, une fois la tâche B1 terminée |
| B2 | Doublage |  |  | A2 |  |  | Fin - Début : 0 |
| C2 | Cloisons |  |  | A2 |  |  | Fin - Début : 0 |
| D2 | Ebrasements |  |  | B2 |  |  | Fin - Début : 0 |
| E2 | Cloisonnementtechnique |  |  | D2 |  |  | Fin - Début : 0 |
| F2 | Raccords finitions |  |  | C2 |  |  | Fin - Début : 0 |

**DR11 - PLANNING D'ÉXÉCUTION - LOT 9 - PLATRERIE - PLAFONDS SUSPENDUS**


**DR12 – COMPARAISON DES POSTES DE DÉPENSES**

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| **Postes de dépenses** | **Dépenses réelles** | **Dépenses estimées** | **Ecart en euros** | **Ecart en % par rapport à l'estimation** |
| **DS MO** |  |  |  |  |
| **DS MAT** |  |  |  |  |
| **FC** |  |  |  |  |
| **Fop** |  |  |  |  |

**JUSTIFICATIONS CALCULS DES DÉPENSES ESTIMÉES ET ANALYSÉES**

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**DR13 – CALCULS DES EFFECTIFS MAXIMUM SUR CHANTIER**



**DR14 – CHOIX DES CANTONNEMENTS ET COUT DE LA BASE DE VIE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cantonnements** | **Exigences chantier et réglementaires** | **Choix du produit + accessoires** | **Tarif de la location en jour** | **Nombre de jours** | **Tarif pour la durée de l'opération** |
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| **TRANSPORT** |
| **Frais de transport, d'installation et repliement des cantonnements** |  |  |
|  |  |  |

 **MONTANT A LA CHARGE DE L'ENTREPRISE POUR LA BASE DE VIE :**

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