

$$E_{\text{month}} = \frac{\sum_{i=1}^n (\text{HAP}_i)(\text{Tcoat}_i) + \sum_{j=1}^m (\text{HAP}_j)(\text{Tcoat}_j) \left(1 - \frac{\text{EFF}}{100}\right) + \sum_{k=1}^p (\text{HAP}_k)(\text{Tcoat}_k)}{\text{TFAB}} \quad (\text{Eq. 2})$$