

| product name                                                                                                                                                                                                                                                                                  |                                                   | Production location                                                                                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Handmade Grosvenor Red                                                                                                                                                                                                                                                                        |                                                   | Erbaa/Tokat                                                                                                                                                                                                  |  |
| Colour                                                                                                                                                                                                                                                                                        |                                                   |                                                                                                                                                                                                              |  |
| Red with white and dark shades                                                                                                                                                                                                                                                                |                                                   |                                                                                                                                                                                                              |  |
| Format                                                                                                                                                                                                                                                                                        |                                                   |                                                                                                                                                                                                              |  |
| Moulding method                                                                                                                                                                                                                                                                               |                                                   | Hand form                                                                                                                                                                                                    |  |
| DF: 215 x 100 x 65 mm                                                                                                                                                                                                                                                                         |                                                   | Between batches the average size and color may slightly differ.                                                                                                                                              |  |
| Essential Characteristics - EN771-1                                                                                                                                                                                                                                                           |                                                   |                                                                                                                                                                                                              |  |
|  <span style="margin-left: 20px;">NPD</span>                                                                                                                                                                 |                                                   |                                                                                                                                                                                                              |  |
| Dimensional tolerances                                                                                                                                                                                                                                                                        | T2                                                |                                                                                                                                                                                                              |  |
| Range                                                                                                                                                                                                                                                                                         | R1                                                |                                                                                                                                                                                                              |  |
| Active Soluble Salts                                                                                                                                                                                                                                                                          | S2                                                |                                                                                                                                                                                                              |  |
| Mean Compressive strength                                                                                                                                                                                                                                                                     | $\geq 20 \text{ N/mm}^2$                          | Tested to the bed face                                                                                                                                                                                       |  |
| Normalized Compressive strength                                                                                                                                                                                                                                                               | NPD                                               | Tested to the bed face                                                                                                                                                                                       |  |
| Dimensional stability                                                                                                                                                                                                                                                                         | NPD                                               |                                                                                                                                                                                                              |  |
| Bond Strength general                                                                                                                                                                                                                                                                         | $0,15 \text{ N/mm}^2$                             |                                                                                                                                                                                                              |  |
| Bond Strength thin layer                                                                                                                                                                                                                                                                      | $0,30 \text{ N/mm}^2$                             |                                                                                                                                                                                                              |  |
| Reaction to fire                                                                                                                                                                                                                                                                              | A1                                                | Category                                                                                                                                                                                                     |  |
| Water absorption                                                                                                                                                                                                                                                                              | $\leq 15\% \text{ m/md}$                          |                                                                                                                                                                                                              |  |
| Water vapour permeability                                                                                                                                                                                                                                                                     | 5/10                                              |                                                                                                                                                                                                              |  |
| Net dry density                                                                                                                                                                                                                                                                               | $1610 \text{ kg/m}^3 \text{ (D1)}$                |                                                                                                                                                                                                              |  |
| Gross dry density                                                                                                                                                                                                                                                                             | $1720 \text{ kg/m}^3 \text{ (D1)}$                |                                                                                                                                                                                                              |  |
| Thermal conductivity Lambda 50/50                                                                                                                                                                                                                                                             | $\leq 0,41 \text{ W/m.K}$                         |                                                                                                                                                                                                              |  |
| Durability against freeze thaw                                                                                                                                                                                                                                                                | F2                                                |                                                                                                                                                                                                              |  |
| Dangerous substances                                                                                                                                                                                                                                                                          | NPD                                               | According to Annex ZA 3                                                                                                                                                                                      |  |
| Other Characteristics                                                                                                                                                                                                                                                                         |                                                   |                                                                                                                                                                                                              |  |
| Initial rate of water absorption - Non-coated Bricks                                                                                                                                                                                                                                          | $1,5 - 4.0 \text{ kg/m}^2 \cdot \text{min (IW3)}$ | Value according EN771-1:2011 - 5.3.8                                                                                                                                                                         |  |
| Initial rate of water absorption - Coated bricks                                                                                                                                                                                                                                              | NPD                                               | Value according EN771-1:2011 - 5.3.8                                                                                                                                                                         |  |
| Freeze/thaw resistance                                                                                                                                                                                                                                                                        | NPD                                               | B 27-009                                                                                                                                                                                                     |  |
| Thermal conductivity Lambda 90/90                                                                                                                                                                                                                                                             | NPD                                               |                                                                                                                                                                                                              |  |
| Thermal conductivity Lambda Ui                                                                                                                                                                                                                                                                | NPD                                               |                                                                                                                                                                                                              |  |
| Thermal conductivity Lambda Ue                                                                                                                                                                                                                                                                | NPD                                               |                                                                                                                                                                                                              |  |
|                                                                                                                                                                                                           |                                                   |                                                                                                                                                                                                              |  |
| Storage & handling                                                                                                                                                                                                                                                                            |                                                   | Cutting                                                                                                                                                                                                      |  |
| <ul style="list-style-type: none"> <li>- Store packs on a clean surface and cover them</li> <li>- Process from multiple packs at the same time</li> <li>- Follow the Vandersanden processing guidelines</li> </ul>                                                                            |                                                   | Cutting with power tools may generate dust. This dust may contain silica or quartz particulate which may constitute a hazard. Persons undertaking work of this nature are advised to wear dust masks (FFP3). |  |
| *All our Coated bricks are only coated on the facing sides. Coated products are specially labeled and recognisable with a "C" logo on the top left-hand side of the packaging. Always check if using coated or non-coated bricks. Match the mortar to the specified initial water absorption. |                                                   |                                                                                                                                                                                                              |  |