

| Product name  |                           | Product group  | Production location |
|---|---------------------------|--|---------------------|
| Zinnia  |                           | L1   | Lanklaar            |
| The raw materials are excavated in Weichsel loam layers, the local loam of Aeolian origin dating from the Ice Age. This löss mainly consists of a silt-like fraction, suited ideally for the manufacturing of hand form bricks. By using specific sand types for surface covering, the desired colour is achieved.  |                           |  |                     |
| Colour  |                           |  |                     |
| red brown with light and dark shades  |                           |  |                     |
| Format  |                           |  |                     |
| Moulding method   |                           | Hand form  |                     |
| DF: 214 x 101 x 65 mm   |                           | Between batches the average size and color may slightly differ.  |                     |
| Essential Characteristics - EN771-1   |                           |  |                     |
|  EN 771-1 - CPR-97884 NOBO<br>0063 (ex 0620)   |                           |  EN 771 - 1855-CPR-24914  |                     |
| 2+  |                           | 2+   |                     |
| Dimensional tolerances  | T2                        |  |                     |
| Range   | R1                        |  |                     |
| Active Soluble Salts  | S2                        |  |                     |
| Mean Compressive strength   | >= 20 N/mm²               | Tested to the bed face   |                     |
| Normalized Compressive strength   | >= 20 N/mm²               | Tested to the bed face   |                     |
| Dimensional stability   | NPD                       |  |                     |
| Bond Strength general   | 0,15 N/mm²                |  |                     |
| Bond Strength thin layer  | 0,30 N/mm²                |  |                     |
| Reaction to fire  | A1                        | Category   |                     |
| Water absorption  | <= 14% m/md               |  |                     |
| Water vapour permeability   | 5/10                      |  |                     |
| Net dry density   | 1740 kg/m³ (D1)           |  |                     |
| Gross dry density   | 1630 kg/m³ (D1)           |  |                     |
| Thermal conductivity Lambda 50/50   | <=0,60 W/m.K              |  |                     |
| Durability against freeze thaw  | F2                        | EN 772-22  |                     |
| Dangerous substances  | NL-BSB                    | According to Annex ZA 3  |                     |
| Other Characteristics   |                           |  |                     |
| Initial rate of water absorption - Non-coated Bricks  | 1,5 - 4.0 kg/m².min (IW3) | Value according EN771-1:2011 - 5.3.8   |                     |
| Initial rate of water absorption - Coated bricks  | 0,5 - 1,5 kg/m².min (IW2) | Value according EN771-1:2011 - 5.3.8   |                     |
| Freeze/thaw resistance - PTV 23-002   | NPD                       | NBN 27-009   |                     |
| Thermal conductivity Lambda 90/90   | 0,65 W/m.K                |  |                     |
| Thermal conductivity Lambda Ui  | 0,697 W/m.K               |  |                     |
| Thermal conductivity Lambda Ue  | 1,376 W/m.K               |  |                     |
| <div></div> |                           |  |                     |
| Storage & handling  |                           | Cutting  |                     |
| <div>- Store packs on a clean surface and cover them</div> <div>- Process from multiple packs at the same time</div> <div>- Follow the Vandersanden processing guidelines</div>   |                           | Dry 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.  |                           |  |                     |