### Criterio a) - Schema IFC 4.0 add.2

**IFC : la Piastrella Ceramica in**

**IFC SCHEMA : Entity definition:**

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEILING</td>
<td>The covering is used to represent a ceiling.</td>
</tr>
<tr>
<td>FLOORING</td>
<td>The covering is used to represent a flooring.</td>
</tr>
<tr>
<td>CLADDING</td>
<td>The covering is used to represent a cladding.</td>
</tr>
<tr>
<td>ROOFING</td>
<td>The covering is used to represent a roof covering.</td>
</tr>
<tr>
<td>MOLDING</td>
<td>The covering is used to represent a molding being a strip of material to cover the transition of surfaces (often between wall cladding and ceiling).</td>
</tr>
<tr>
<td>SKIRTINGBOARD</td>
<td>The covering is used to represent a skirting board being a strip of material to cover the transition between the wall cladding and the flooring.</td>
</tr>
<tr>
<td>INSULATION</td>
<td>The covering is used to insulate an element for thermal or acoustic purposes.</td>
</tr>
<tr>
<td>MEMBRANE</td>
<td>An impervious layer that could be used for e.g. roof covering (below tiling - that may be known as sarking etc.) or as a damp proof course membrane.</td>
</tr>
<tr>
<td>SLEEVING</td>
<td>The covering is used to isolate a distribution element from a space in which it is contained.</td>
</tr>
<tr>
<td>WRAPPING</td>
<td>The covering is used for wrapping particularly of distribution elements using tape.</td>
</tr>
<tr>
<td>USERDEFINED</td>
<td>User defined type of covering.</td>
</tr>
<tr>
<td>NOTDEFINED</td>
<td>Undefined type of covering.</td>
</tr>
</tbody>
</table>

### Criterio b) - UNICLASS2015 - NBS

- **Pset_CoveringCommon**
- **Pset_CoveringFlooring**
- **COBie**
- **NBS_General**
- **NBS_Data**

### Criterio c) - Schede Tecniche AGGIUNTIVE

- **DoPAndProductCertification**
- **EnvironmentalSustainability**
- **OtherTechnicalFeatures**
“DoP&ProductCertification”

HarmonizedTechnicalSpecification
DeclarationPerformanceNumber
UniqueIdentificationCodeOfTheProductType
SystemOfAssessmentAndVerificationOfCostancyOfPerformance (AVCP)
NameAndIdentificationNumberOfNotifiedLaboratory
CertificateNumber
ReactionToFire
ReleaseOfDangerousSubstanceCadmium
ReleaseOfDangerousSubstanceLead
BreakingStrength
BondStrengthAdhesion
ThermalShockResistance
Tactility
DurabilityInternalUse
DurabilityExternalUse
FreezeThawResistance
CEMark
IntendedUse

“EnvironmentalSustainability”

Name Description Value(example) Unit ValueType
EnvironmentalProductDeclarationEPD
EPDType
EPODocument
ISO9001Certification
EcolabelCertification
EMASCertification/Document
HealthProductDeclarationHPDCertification/selfdeclaration
FicheDeDéclarationEnvironnementaleEtSanitaireFDESCertification
RecycledContentPreconsumerCertification
SolarReflectance_InitialValue
SolarReflectance_After3YearValue
SolarReflectanceCertification
SolarReflectanceMinAndMaxCertification
ZeroVOCMineralBasedProduct
VOCIndoorAirQualityCertification
RawMaterialSourceAndExtractionDocument
RecycledProductPackaging
REACHCompliant
AsbestosFreeMaterial
FormaldehydeFreeMaterial
CAMCompliantDeclaration
ISO14001Certification
ISO18001Certification

IL DISCIPLINARE DI DIGITALIAZZAZIONE BIM per le piastrelle di ceramica
Come valorizzare le caratteristiche dei prodotti ceramici in ambiente BIM / 1
Come valorizzare le caratteristiche dei prodotti ceramici in ambiente BIM / 2

**Principali caratteristiche tecniche (ISO 10545 e altri)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Value(example)</th>
<th>Unit</th>
<th>ValueType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sustainability</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Environmental Sustainability**
- **Other Technical Features**

Dimensions:
- Length and Width
- Thickness
- Straightness
- Rectangularity
- Surface Flatness

Surface Quality:
- Water Absorption
- Apparent Density
- Modulus of Rupture
- Impact Resistance
- Deep Abrasion Resistance
- Surface Abrasion Resistance

Other Properties:
- Linear Thermal Expansion
- Moisture Expansion
- Crazing Resistance
- Frost Resistance
- Thermal Conductivity
- Total Porosity
- Electrical Conductivity
- Compression Resistance
- Hardness (Mohs Scale)
- Light Reflectance Value (LVR)
- Light and Colour Fastness
- Photocatalytic Properties
- Antibacterial Properties