BRICK VENEER THERMAL INSULATION VALUE INNOVATION
ISOVISTA® is a product of many years’ experience in the field of building and technological research dedicated to developing a highly innovative and unique product. The innovation lies in the perfect union of the insulation material with facing slips and in the design of the perimeter battens of the panel that ensures perfect continuity of insulation even in joints. This allows completely eliminating the need for thermal bridges, therefore a perfect insulation.

ISOVISTA® is based on the concept of better living. The idea is to create an ideal living habitat that is environmentally friendly and energy efficient, and therefore cost-effective. ISOVISTA® also allows quick and easy installation without compromising the effectiveness of the insulation.

Good insulation is not only a specific law requirement, but is everybody’s duty towards the environment. ISOVISTA®, helps to achieve an ideal temperature in the house, allowing you to save money on heating or air conditioning and help the environment.

ISOVISTA® allows significant costs savings, guaranteed by the quality of the materials used and the ease of installation. Costs will be recovered in a short time by conserving heat in the winter and air conditioning in the summer. In addition, the easy assembly system allows significantly reducing installation costs.
A TECHNICALLY PERFECT PANEL FOR A HEALTHY AND COMFORTABLE ENVIRONMENT

Thanks to its expanded polystyrene thickness (from 5 to 14 cm), IsoVista achieves optimal thermal insulation for all internal or external buildings with brick veneer cladding. A real revolution due to its ease of application, cost saving and respect for the environment.
S. ANSELMO - ISOVISTA® SYSTEM
THE REVOLUTION IS IN THE INSULATION

WHY SHOULD I CHOOSE THE ISOVISTA® SYSTEM?

PERFECT INSULATION WITHOUT THERMAL BRIDGES
The system, thanks to the battens along the edge of the panel, doesn’t create thermal bridges. This allows obtaining perfect insulation of the building.

EASE AND SPEED OF APPLICATION
With the included washers, you only have to secure and join it. Moreover, the low weight of the panels allows obtaining perfect insulation easily and quickly.

ENERGY AND COST SAVINGS
Perfect insulation obtained with ISOVISTA® system maximises energy efficiency which leads to greater cost savings.
S.ANSELMO - ISOVISTA® SYSTEM
IDEAL FOR OUTDOOR AND INDOOR APPLICATIONS

ISOVISTA® system is the ideal solution that combines the great aesthetics of brick veneer with the perfect insulation for internal and external walls.
**THE BEST SOLUTION**

Improves energy performances of buildings, ensuring high comfort in summer and winter with significant energy and cost savings. Environments remain healthy due to the excellent water vapour permeability of the walls.

**TRANSMITTANCE VALUES U (W/m² K)**

<table>
<thead>
<tr>
<th>TYPE OF CONSTRUCTION</th>
<th>THICKNESS (mm)</th>
<th>ISOVISTA® 80mm</th>
<th>ISOVISTA® 100mm</th>
<th>ISOVISTA® 120mm</th>
<th>ISOVISTA® 140mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traditional concrete</td>
<td>200</td>
<td>3,86</td>
<td>0,49</td>
<td>0,38</td>
<td>0,31</td>
</tr>
<tr>
<td>Traditional concrete</td>
<td>250</td>
<td>3,50</td>
<td>0,48</td>
<td>0,37</td>
<td>0,31</td>
</tr>
<tr>
<td>Lightweight concrete</td>
<td>250</td>
<td>2,49</td>
<td>0,46</td>
<td>0,36</td>
<td>0,30</td>
</tr>
<tr>
<td>Concrete blocks</td>
<td>240</td>
<td>2,29</td>
<td>0,45</td>
<td>0,35</td>
<td>0,29</td>
</tr>
<tr>
<td>Concrete blocks</td>
<td>300</td>
<td>1,99</td>
<td>0,44</td>
<td>0,35</td>
<td>0,29</td>
</tr>
<tr>
<td>Bricks</td>
<td>240</td>
<td>2,45</td>
<td>0,45</td>
<td>0,36</td>
<td>0,30</td>
</tr>
<tr>
<td>Bricks</td>
<td>360</td>
<td>1,87</td>
<td>0,43</td>
<td>0,34</td>
<td>0,29</td>
</tr>
<tr>
<td>Honeycomb Clay brick</td>
<td>200</td>
<td>1,57</td>
<td>0,61</td>
<td>0,33</td>
<td>0,28</td>
</tr>
<tr>
<td>Honeycomb Clay brick</td>
<td>250</td>
<td>1,33</td>
<td>0,39</td>
<td>0,32</td>
<td>0,27</td>
</tr>
<tr>
<td>Panel XLAM Thickness 9.4 cm</td>
<td>94</td>
<td>1,05</td>
<td>0,36</td>
<td>0,30</td>
<td>0,25</td>
</tr>
<tr>
<td>Panel XLAM Thickness 12 cm</td>
<td>120</td>
<td>1,05</td>
<td>0,34</td>
<td>0,28</td>
<td>0,24</td>
</tr>
<tr>
<td>Autoclaved aerated concrete 30 cm thick</td>
<td>300</td>
<td>0,52</td>
<td>0,27</td>
<td>0,23</td>
<td>0,20</td>
</tr>
</tbody>
</table>

**LEGAL MINIMUM TRANSMITTANCE FOR VERTICAL OPAQUE WALLS**

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>From 1/01/2010 U (W/m²K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.42</td>
</tr>
<tr>
<td>B</td>
<td>0.48</td>
</tr>
<tr>
<td>C</td>
<td>0.40</td>
</tr>
<tr>
<td>D</td>
<td>0.36</td>
</tr>
<tr>
<td>E</td>
<td>0.34</td>
</tr>
<tr>
<td>F</td>
<td>0.33</td>
</tr>
</tbody>
</table>

**TAX DEDUCTIONS:**

Since the IsoVista® system is considered an insulating material in accordance with paragraphs 345 and 345a of Law No. 296 of 27 December 2006 and subsequent integrations and amendments, you are entitled to a tax deduction of 55% on the cost, whether it involves increasing thermal insulation of opaque walls (paragraph 345a), or performing general building renovations that also include interventions on dispersant exterior walls (paragraph 345).

**ENERGY SAVING:**

If you use the IsoVista® system to reduce heat loss on the outer surfaces of vertical external walls of a building with any type of brickwork, energy savings from 10 to 30% or more are available in relation to the thickness of the panel chosen and the extent of surface application on the building enclosure.
EXAMPLE OF TRANSMITTANCE

By way of example, the table on the right illustrates the CASA CLIMA certification classes already in use in the Autonomous Province of Bolzano-Bozen (South Tyrol).

The example below estimates the amount of energy consumed to heat a free-standing house composed as follows:

- 150 m² on two floors above ground
- No basement
- Symmetrical gable (two-pitch) roof

<table>
<thead>
<tr>
<th>TYPE OF EDIFICE</th>
<th>PRIMARY ENERGY CONSUMPTION</th>
<th>TOTAL CONSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;G CLASS&quot; traditional house</td>
<td>3723 M³ methane/year 2525 diesel lt./year</td>
<td>157 KW h/m² a</td>
</tr>
<tr>
<td>&quot;B CLASS&quot; house with standard insulation</td>
<td>1740 M³ methane/year 1176 diesel lt./year</td>
<td>74 KW h/m² a</td>
</tr>
<tr>
<td>&quot;A CLASS&quot; high energy-saving house</td>
<td>876 M³ methane/year 591 diesel lt./year</td>
<td>36 KW h/m² a</td>
</tr>
</tbody>
</table>

ENERGY CLASSIFICATION – EPH

LOW REQUIREMENT

- A+ ≤ 15 kWh/m² anno
- A ≤ 30 kWh/m² anno
- B ≤ 50 kWh/m² anno
- C ≤ 70 kWh/m² anno
- D ≤ 90 kWh/m² anno
- E ≤ 120 kWh/m² anno
- F ≤ 160 kWh/m² anno
- G > 160 kWh/m² anno

HIGH REQUIREMENT
COLOR RANGE
STANDARD LINE

GIALLO
A001GL

GIALLO MACCHIATO
A001GM

ATLANTIS
A011GR

MACCHIATO
A001MC - A011MC

BREDA
A011RB

AMSTREDAM
A011RG

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LEA
FAST AND EASY INSTALLATION

1. Fix the starting profile with the spirit level along the entire base of the building (this is not necessary on internal coverings).

2. Apply ISOVISTA® glue along the four edges of the back of the panel, and also 3 central stripes.

3. The sequence of installation should always start from the corner, if necessary. Support the panel and press with hands to distribute the glue.

4. Drill the wall through the anchor washers on the panel.

5. Insert screws with plugs through the anchor washers on the panel.

6. Tighten the screws using a screwdriver.

7. Cover screw heads with the appropriate EPS cylinders.

8. Push the cylinder all the way down to eliminate the thermal bridge.

9. Support the panel and insert it in the finger joint which ensures excellent sealing.

10. Push the panel with your hands at various points to allow the glue to adhere.

11. Drill the wall through the anchor washers on the panel.

12. Insert screws with plugs through the anchor washers on the panel.

13. Tighten the screws using a screwdriver.

14. Cover screw heads with the appropriate EPS cylinders.

15. Measure the length of the remaining space.
**NOTE 1:** If the wall includes a corner, we recommend starting the installation from this corner, possibly from left to right.
**NOTE 2:** Do not use a sponge or wet utensils to clean the slips during installation.
**NOTE 3:** Before installing the panels, make sure you have enough to complete the work.
**NOTE 4:** For a professional job, the material should be ordered in one go so you don’t have panels of different colours.

16 First, cut slips of the panel with a flexible saw.
17 Complete the panel cutting with a hacksaw or a cutter.
18 Position the cut panel.
19 Apply IsoVista® glue between the cut panel and the wall in order to eliminate the thermal bridge.
20 Repeat the process until completion of the wall, always moving from bottom to top.
21 Prepare the plaster for finishing.
22 Fill all the gaps between the bricks.
23 Spread and squeeze the plaster.
24 Finish off with a brush.

**TOOLS AND ACCESSORIES FOR INSTALLATION OF IsoVista®**

- **A** Non-expanding polyurethane foaming glue
- **B** EPS cylinders for covering the screw heads
- **C** Screws and plugs
- **D** Starting profile
- **E** Plaster for gaps
### SPECIFICATIONS

#### PANELS FROM 50 mm

<table>
<thead>
<tr>
<th>SPECIFICATIONS ACCORDING TO UNI EN 13163</th>
<th>TECHNICAL VALUE</th>
<th>UNITS</th>
<th>STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL CHARACTERISTICS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>1190</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>Width</td>
<td>535</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>Thickness</td>
<td>50</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>N. surface developed by 1 panel</td>
<td>0,534</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>N. surface developed by 1 corner panel</td>
<td>0,462</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>N. surface developed by 1 linear meter of corner panels</td>
<td>0,77</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>Orthogonality</td>
<td>± 2/1000</td>
<td>mm/mm</td>
<td>EN824*</td>
</tr>
<tr>
<td>Flatness</td>
<td>± 5</td>
<td>mm</td>
<td>EN825*</td>
</tr>
<tr>
<td>Dimensional stability under normal laboratory conditions</td>
<td>± 0,2</td>
<td>%</td>
<td>EN1603*</td>
</tr>
<tr>
<td>Declared thermal conductivity at 10 °C of the component</td>
<td>0,033</td>
<td>W/mK</td>
<td>EN12667*</td>
</tr>
<tr>
<td>Thermal resistance of the panel (slip + EPS insulation)</td>
<td>50 mm</td>
<td>EN12667</td>
<td></td>
</tr>
<tr>
<td>Thermal transmittance (Slip + EPS Insulation)</td>
<td>1,108</td>
<td>m²K/W</td>
<td>-</td>
</tr>
<tr>
<td>Resistance to bending</td>
<td>≥ 250</td>
<td>kPa</td>
<td>EN12089*</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>E</td>
<td>Class</td>
<td>EN13501/1*</td>
</tr>
</tbody>
</table>

#### SPECIFIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Specified characteristics</th>
<th>Technical value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive stress at 10 % strain</td>
<td>≥ 200</td>
<td>kPa</td>
</tr>
<tr>
<td>Factor of resistance to water vapor diffusion</td>
<td>40-100</td>
<td>µ</td>
</tr>
<tr>
<td>Water absorption for a long period of immersion</td>
<td>≤ 2</td>
<td>%</td>
</tr>
<tr>
<td>Water absorption by partial immersion</td>
<td>≤ 0,5</td>
<td>Kg/m²</td>
</tr>
<tr>
<td>Water vapor permeability</td>
<td>0,007 - 0,018</td>
<td>mg/(Pa‘h’m)</td>
</tr>
<tr>
<td>Specific heat capacity</td>
<td>1260</td>
<td>J/(Kg*K)</td>
</tr>
<tr>
<td>Apparent density with grouting</td>
<td>18 ± 0,5</td>
<td>Kg/panel</td>
</tr>
<tr>
<td>Limit temperature of use</td>
<td>75</td>
<td>°C</td>
</tr>
</tbody>
</table>

#### SPECIAL EXPERIMENTS CARRIED OUT

<table>
<thead>
<tr>
<th>Specified characteristics</th>
<th>Technical value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shear resistance bond slip /panel</td>
<td>526</td>
<td>Kg/panel</td>
</tr>
<tr>
<td>Tensile strength to fixing panel / standard wall</td>
<td>524</td>
<td>Kg/panel</td>
</tr>
<tr>
<td>Cycles of thermal stress</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8h at -20°C - 8h at 30°C / 50 % moisture - 8 h at 80°C / 90% moisture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight changes</td>
<td>4</td>
<td>%</td>
</tr>
<tr>
<td>Variations in shape</td>
<td>1</td>
<td>%</td>
</tr>
</tbody>
</table>

* Values refer only to the insulation panel
** Certification body Cert - Treviso Tecnologia
## SPECIFICATIONS

### PANELS FROM 80 / 100 / 120 / 140 mm

<table>
<thead>
<tr>
<th>Specifications According to UNI EN 13163</th>
<th>Technical Value</th>
<th>Units</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL CHARACTERISTICS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>1190</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>Width</td>
<td>535</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>Thickness</td>
<td>80/100/120/140</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>surface covered by 1 panel</td>
<td>0,534</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>surface covered by 1 corner panel</td>
<td>0,462</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>surface covered by 1 linear meter of corner panels</td>
<td>0,77</td>
<td>m²</td>
<td>-</td>
</tr>
<tr>
<td>Orthogonality</td>
<td>± 2/1000</td>
<td>mm/mm</td>
<td>EN824*</td>
</tr>
<tr>
<td>Flatness</td>
<td>± 5</td>
<td>mm</td>
<td>EN825*</td>
</tr>
<tr>
<td>Dimensional stability under normal laboratory conditions</td>
<td>± 0,2</td>
<td>%</td>
<td>EN1603*</td>
</tr>
<tr>
<td>Declared thermal conductivity at 10 °C component</td>
<td>0,034</td>
<td>W/mK</td>
<td>EN12667*</td>
</tr>
<tr>
<td>Thermal resistance of the panel (slip + insulation EPS)</td>
<td>1,969</td>
<td>m²K/W</td>
<td>EN12667</td>
</tr>
<tr>
<td>80 mm</td>
<td>1,969</td>
<td>m²K/W</td>
<td>EN12667</td>
</tr>
<tr>
<td>100 mm</td>
<td>2,557</td>
<td>m²K/W</td>
<td>EN12667</td>
</tr>
<tr>
<td>120 mm</td>
<td>3,145</td>
<td>m²K/W</td>
<td>EN12667</td>
</tr>
<tr>
<td>140 mm</td>
<td>3,733</td>
<td>m²K/W</td>
<td>EN12667</td>
</tr>
<tr>
<td>Thermal transmittance (Slip + Insulation EPS)</td>
<td>0,51</td>
<td>W/m²K</td>
<td>-</td>
</tr>
<tr>
<td>80 mm</td>
<td>0,51</td>
<td>W/m²K</td>
<td>-</td>
</tr>
<tr>
<td>100 mm</td>
<td>0,39</td>
<td>W/m²K</td>
<td>-</td>
</tr>
<tr>
<td>120 mm</td>
<td>0,32</td>
<td>W/m²K</td>
<td>-</td>
</tr>
<tr>
<td>140 mm</td>
<td>0,27</td>
<td>W/m²K</td>
<td>-</td>
</tr>
<tr>
<td>Resistance to bending</td>
<td>≥ 170</td>
<td>kPa</td>
<td>EN12089*</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>E</td>
<td>Class</td>
<td>EN13501/1*</td>
</tr>
</tbody>
</table>

### SPECIFIC CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>≥ 120</th>
<th>kPa</th>
<th>EN826*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive stress at 10 % strain</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Factor of resistance to water vapor diffusion</td>
<td>30-70</td>
<td>µ</td>
<td>EN12086*</td>
</tr>
<tr>
<td>Water absorption for a long period of immersion</td>
<td>≤ 2</td>
<td>%</td>
<td>EN12087*</td>
</tr>
<tr>
<td>Water absorption by partial immersion</td>
<td>≤ 0,5</td>
<td>Kg/m²</td>
<td>EN12087*</td>
</tr>
<tr>
<td>Water vapor permeability</td>
<td>0,010 - 0,024</td>
<td>mg/(Pa·h·m)</td>
<td>EN12086*</td>
</tr>
<tr>
<td>Specific heat capacity</td>
<td>1260</td>
<td>J/(Kg·K)</td>
<td>UNI EN 12524*</td>
</tr>
<tr>
<td>Apparent density with grouting</td>
<td>19 ± 2</td>
<td>Kg/panel</td>
<td></td>
</tr>
<tr>
<td>Limit temperature of use</td>
<td>75</td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

### SPECIAL EXPERIMENTS CARRIED OUT

<table>
<thead>
<tr>
<th></th>
<th>526</th>
<th>Kg/pannello</th>
<th>**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shear resistance bond slip /panel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile strength to fixing panel / standard wall</td>
<td>524</td>
<td>Kg/pannello</td>
<td>**</td>
</tr>
<tr>
<td>Cycles of thermal stress</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8h at -20°C - 8h at 30°C / 50 % moisture - 8 h at 80°C / 90% moisture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight changes</td>
<td>4</td>
<td>%</td>
<td>**</td>
</tr>
<tr>
<td>Variations in shape</td>
<td>1</td>
<td>%</td>
<td>**</td>
</tr>
</tbody>
</table>

* Values refer only to the insulation panel
** Certification body Cert - Treviso Tecnologia
PRODUCT SPECIFICATIONS FOR ISOVISTA® PANELS AND ACCESSORIES

ISOVISTA® PANELS

01) SUPPLY AND/OR INSTALLATION OF “ISOVISTA®” PANELS with strips from the line (classica-contemporanea-nostalgia-evoluzione), model no. (refer to Product list), size in mm. a x b x s (1015 x 615 x thickness (see thicknesses depending on desired transmittance) upon cleaning of mould and/or surface efflorescence, removal and marking of damaged or detached plaster, including securing of the horizontal base profile in aluminium for alignment of the panels, including sealing of the base profile to the wall support using silicone, including distribution of polyurethane glue supplied in spray cans according to the distribution methods indicated in the technical data sheet, including mounting of the panels to the support (concrete wall - brick - wood - precast panels - etc.) with 5 blocks/panel, according to the diameter and length indicated in the assembly sheet relating to the thickness of the panel selected, including gluing any missing strips on the end of the wall or near edges using ISOVISTA® glue, diluted in approx. 4 litres of water for every 30 kg of product, with an appropriate thickness to obtain perfect alignment between the panel and those added. Also including filling of the joints with MisterBrick® plaster colour X (see colours available) by means of special applicators, with spreading and flattening of the grout before completion of the grip. Including final brushing of the gaps and the entire coated surface to complete installation, all executed in a professional manner.

Measure the actual surface.

Square meter \( \times \) €/ Square meter = €

ISOVISTA® CORNER PANELS

02) SUPPLY AND/OR INSTALLATION OF ISOVISTA® CORNER PANELS with strips from the line (classica-contemporanea-nostalgia-evoluzione), model no. (refer to Product list), size in mm. a x b x l x s (600 x 400 x 330 x thickness (see thicknesses depending on desired transmittance) upon cleaning of mould and/or surface efflorescence, removal and marking of damaged or detached plaster, including securing of the horizontal base profile in aluminium for alignment of the panels, including sealing of the base profile to the wall support using silicone, including distribution of polyurethane glue supplied in spray cans according to the distribution methods indicated in the technical data sheet, including mounting of the panels to the support (concrete wall - brick - wood - precast panels - etc.) with 5 blocks/panel, according to the diameter and length indicated in the assembly sheet relating to the thickness of the panel selected, including gluing any missing strips to complete the corners using ISOVISTA® glue, diluted in approx. 4 litres for water for every 30 kg of product, with an appropriate thickness to obtain perfect alignment between the panel and those added. Also including filling of the joints with MisterBrick® plaster colour X (see colours available) by means of special applicators, with spreading and flattening of the grout before completion of the grip. Including final brushing of the gaps and the entire coated surface to complete installation, all executed in a professional manner. Measure the actual surface.

Linear meter \( \times \) €/Linear meter = €
SIZES AND DIMENSIONS

PANEL SIZE:
Height: 600 mm  
Length: 1000 mm

CORNER PANEL SIZE:
Height: 600 mm  
Length of sides: 330 x 440 mm

AREA COVERED IN SQUARE METERS:
1 panel covers 0.534 square meters  
1 corner panel covers 0.462 square meters  
1 linear meter of corner panels covers 0.77 square meters

PANEL WEIGHT:
from 14.5 to 15.5 kg ±  
1 square meter of panels from 27 to 29 Kg ±

CORNER PANEL WEIGHT:
from 12.5 to 14 kg ±  
1 linear meter of corner panels from 21 to 23 Kg ±

CHARACTERISTICS OF MATERIALS

CLAY SLIPS:
Width: 210 mm  
Height: 65 mm  
Thickness: 20 mm

EPS INSULATION:
Expanded polystyrene from 30 to 120 mm