ARCHITECTURE:
A TOOL FOR FIGHTING AIR POLLUTION
ANA LORENA RODE
Mexico City

UNHEALTHY
181

Beijing

VERY UNHEALTHY
225

Delhi

HAZARDOUS
712
THESIS

All across the globe, cities are being affected by air pollution. The prevalence of architecture can be used as a tool to fight this issue. The example of Mexico City gives an insight into what causes the problem and how it affects different communities. This case study has led to the development of a template for different pollution fighting architectural methods that can be applied all over the world in developed and developing countries alike.
METHODS ALREADY FIGHTING POLLUTION: TITANIUM DIOXIDE
METHODS ALREADY FIGHTING POLLUTION: TITANIUM DIOXIDE

SURFACE WITH TiO₂

SURFACE WITH TiO₂

SURFACE WITH TiO₂

SURFACE WITH TiO₂
METHODS ALREADY FIGHTING POLLUTION: GREEN BUILDINGS

MILAN

NANJING
METHODS ALREADY FIGHTING POLLUTION: GREEN BUILDINGS
APPLYING THESE METHODS:

MEXICO CITY
APPLYING THESE METHODS: MEXICO CITY
APPLYING THESE METHODS:
MEXICO CITY
## FINAL PROPOSAL

<table>
<thead>
<tr>
<th>Type of Pollution It Absorbs</th>
<th>Green Buildings</th>
<th>Titanium Dioxide</th>
<th>Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wasteful Byproducts</td>
<td>Construction Byproducts</td>
<td>4,500 kg of Waste/ Ton of TiO₂</td>
<td></td>
</tr>
<tr>
<td>Price</td>
<td>$$$$</td>
<td>$$$$$</td>
<td>$$$</td>
</tr>
<tr>
<td>Type of Application</td>
<td>Retrofit or New Construction</td>
<td>Retrofit or New Construction</td>
<td>Can Be Applied Anywhere</td>
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</tbody>
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