



## HTPP 高温静音排水管道系统

HTPP HIGH-TEMPERATURE MUTE DRAINAGE SYSTEM

上海世博会选用产品



中英合资上海深海宏添建材有限公司

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中英合资上海深海宏添建材有限公司

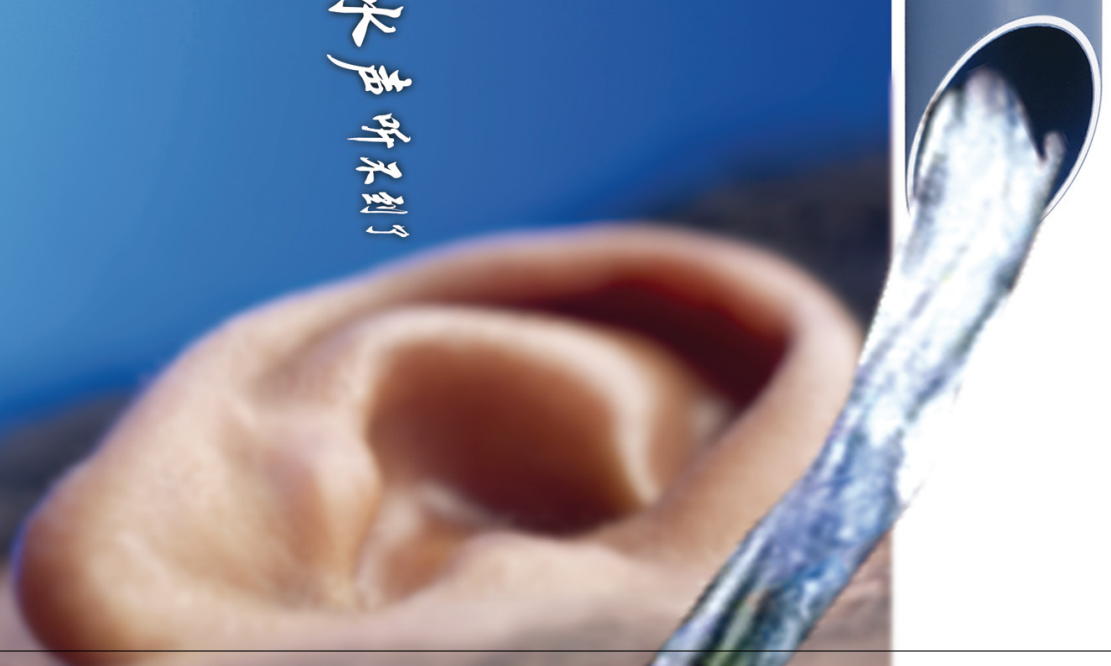


宏添牌PP聚丙烯高温静音排水管道

真正的  
**静**  
音管

利用全新技术，采用特殊材料以调整管材的密度和结构，  
吸收可闻及声波，阻止声波传出，减噪效果优于其它管。

？流水声听不到了



# HOPE

## 关于我们

中英合资上海深海宏添建材有限公司创建于2005年。其中方投资人，上海宏添新型建材有限公司作为专业生产多种类型塑料管道及模具研发、制造的综合性企业，已有十多年生产、销售塑料管道制品及模具的历史。

宏添产品已连续九年荣获上海市场塑料管材、管件十大畅销产品和消费者放心品牌。产品行销全国20多个省市，同时出口东南亚、中东及欧洲国家。公司拥有先进的全电脑控制管材挤出生产线、管件注塑成型机以及包括数控加工中心在内的模具加工设备，年塑料管道生产能力可达近万吨，模具加工能力600余副。主要塑料管道产品有：dn50-dn200mm高温排水用HTPP静音管、dn20-dn160mm冷热水用聚丙烯（PP-R）管、dn20-dn450mm给排水和燃气用聚乙烯（PE）管，配套管件的规格品种多达600余种，管件齐全度在国内同行业中名列前茅。产品符合德国工业标准DIN8077、DIN8078；中国国家标准GB/T18742、GB/T13663、GB15558；国际标准ISO15874、ISO7671以及企业标准Q/VAPW1、Q/VAPW2等标准。ISO9001：2008质量管理体系覆盖整个生产、检测过程。

作为国内生产塑料管道及模具的专业化企业，公司以服务社会为己任，致力于新型绿色环保管道的研制开发，追求可持续发展。公司不仅把高科技、高质量的产品贡献给社会，同时还提供完善的售后服务及技术指导，公司以绿色建材为出发点，满足社会大众不断提高的消费需求及生活品质。

# LOOK

## Company Profile

Shanghai Sunhigh Hope Look Building Material Co.,Ltd. is a joint-venture in Britain and China which was established in 2005. The Chinese investors, Shanghai Hope Look New Pipes Co.,Ltd. as a professional integrated enterprise which do a lot of kinds new plastic pipes production as well as the moulds R & D and manufacturing, it has more than 10 years history on the production, sales of the plastic products and moulds.

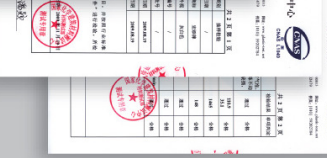
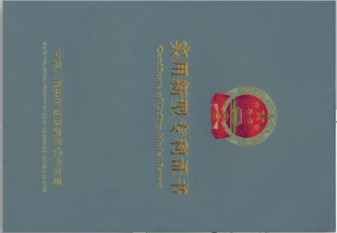
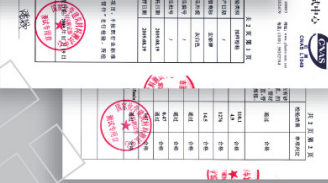
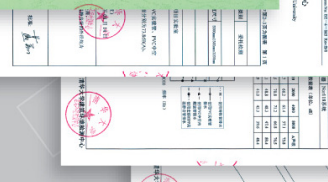
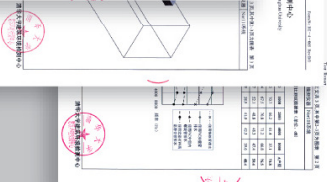
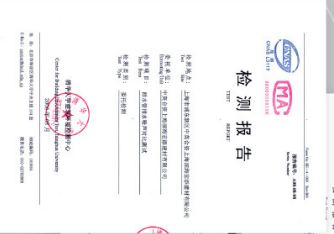
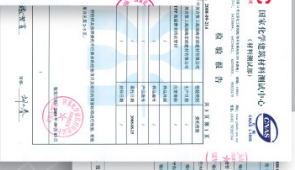
Our products has ranked for nine straight years as one of "top tenth popular brands of Plastic Pipes and Fittings", consumer-trusted Brands in Shanghai. Now its products are sold to more than 20 provinces in China and have been exported to Southeast Asia, Middle East and Europe. Our company is equipped with advanced PC-control pipe extruder lines, pipe accessory injecting machines and including CNC Machining Centers and other mould processing equipments. The plastic pipe production capacity can up to 10,000 tons and mold-processing capacity of more than 600 sets every year. And main plastic pipe products including: dn50-dn200mm HTPP mute drainage pipes for high-temperature water, dn20-dn160mm PP-R pipes for cold and hot water, dn20-dn450mm PE pipes for supplying water and gas. We have over 600 types of pipe fittings and the complete degrees is the best in the industry. Our products meet or exceed German standard (DIN8077,DIN8078), China national standard(GB/T18742,GB/T13663,GB15558), international standard(SO15874,ISO7671) and industry standard (Q/VAPW1, Q/VAPW2) and so on. Our company has already put the QEC ISO9001:2008 quality management system over the whole process of production and inspection

As a domestic production of the plastic pipe and mold specialized enterprises, our company takes the responsibility to serve the society, put a lot of effort on the research and development of the new environment-protection production, and strive to achieve sustainable development. Our company not only gives the high-tech, high quality product to the society, but also provide comprehensive after-sales service and technical guidance in order to fit the consumers' demand.



[Http://www.hopelook.com](http://www.hopelook.com)







**管材  
PIPE**

- 规格(size): 50、75、110、125、160、200



**管套  
Socket**

- 规格(size): 50、75、110、125、160、200



**45° 单承口弯头  
Elbow 45° with single socket**

- 规格(size): 50、75、110、125、160



**45° 单承口弯头 (带口)  
Elbow 45° with single socket and inspection opening**

- 规格(size): 75、110、125、160



**45° 弯头  
Elbow 45°**

- 规格(size): 50、75、110、125、160、200



**45° 弯头(带口)  
Elbow 45° with inspection opening**

- 规格(size): 50、75、110、125、160、200



**87.5° 弯头  
ELBOW 87.5°**

- 规格(size): 50、75、110、125、160、200



**87.5° 弯头 (带口)  
Elbow 87.5° with inspection opening**

- 规格(size): 50、75、110、125、160、200



**顺水三通  
Double Socket Reducing Branch**

- 规格(size): 50、75、110、125、160、200



**45° 斜三通  
Triple Socket Reducing Branch 45°**

- 规格(size): 50、75、110、125、160、200



**异径三通  
Reduced Tee**

- 规格(size): 75 x 50、110 x 50、110 x 75、125 x 110、160 x 110、200 x 160



**异径斜三通  
Reduced oblique Tee**

- 规格(size): 75 x 50、110 x 50、110 x 75、125 x 110、160 x 110、200 x 160



**平面四通**

**Cross**

规格(size): 50X50、75X75、110X110、160X110、160X160



**立体四通**

**Right-angle cross**

规格(size): 110X110、160X110



**异径直接**

**Reduced straight union**

• 规格(size): 75 x 50、110 x 50、110 x 75、125 x 110、160 x 110、200x110、200x160



**立管检查口**

**Pipe riser with inspection opening**

• 规格(size): 50、75、110、125、160、200



**H管**

**H Pipes**

规格(size): 75X75、110X75、110 x 110、160 x 110、160 x 160



**直接头**

**Straight union**

• 规格(size): 50、75、110、125、160



**单承口存水弯**

**Single socket adjustable trap**

• 规格(size): 50、110



**P型存水弯**

**P Type adjustable trap**

规格(size): 50、75、110、160



**存水弯**

**Adjustable trap**

• 规格(size): 50、75、110、160



**S型存水弯**

**S Type adjustable trap**

规格(size): 50、75、110、160



**存水弯(带口)**

**Adjustable trap with inspection opening**

• 规格(size): 50、75、110、160



**瓶型三通**

**Bottle-shaped Tee**

规格(size): 110X50、110X75





管帽  
Cap

- 规格(size): 50、75、110、125、160、200



地漏  
Floor-Drain

- 规格(size): 50、75



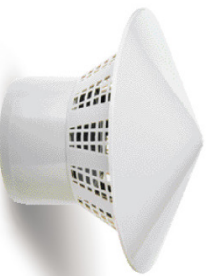
大便器连接件  
Toilet Bowl Connector

- 规格(size): 110



洗衣机地漏  
Washer floor-drain

- 规格(size): 50



透气帽  
Ventilation Cowl

- 规格(size): 50、75、110、125、160



方形地漏  
Square floor-drain

- 规格(size): 75、110



水池接头  
Basin Connector

- 规格(size): 50



清扫口  
Cleaness socket

- 规格(size): 50、75、110、125、160、200



管卡  
Pipe clip

- 规格(size): 50、75、110、125、160、200



割刀  
Cutter 1



倒角器  
Chamfering device



金属管卡  
Metal pipe clip

- 规格(size): 50、75、110、125、160、200



Pipe clamp with inserting pipe as a loose clamp

## 性能指标 / Performance index

管材物理力学性能/Pipe physical performance	
项 目 PROJECT	要 求 / Require
密度, kg/m <sup>3</sup> Density	1350-1900
纵向回缩率, % Horizontal contraction rate	≤3%
扁平试验 Flattening test	无破裂、无分脱 / No breakage, drop off
落锤冲击试验TIR Drop hammer impact test	TIR ≤10%
维卡软化温度℃	≥140

管件物理力学性能 / Pipe fitting physical performance	
项 目 PROJECT	要 求 / Require
密度, kg/m <sup>3</sup> Density	1350-1900
坠落试验 Drop test	无破裂 / No breakage
烘箱试验 Drying oven test	符合GB/T 8803的规定 / Suit for GB/T 8803
维卡软化温度℃	≥140

系统试验 / System experiment	
项 目 PROJECT	要 求 / Require
连接密封试验 / Encapsulation union test	无渗漏 / No leakage
噪音试验 / Noise experiment	≤50,且不小于相同口径铸铁管的噪音 ≤50, Noise less than cast iron pipe which have the same dimension

## 施工安装 / Construction and installation

### 连接 / Connection

- 1、按所需长度切割管材，切割后的管材端面应垂直于管轴线，去除端头的毛边和毛刺，倒角15°~30°，坡口厚度约为管壁厚度的1/2~1/3。
- 2、用棉纱或干布清洁承口的内侧和插口的外侧，必要时可用丙酮等清洁剂，保持清洁，无尘砂和水迹。
- 3、检查并调整好橡胶密封圈，用毛刷将润滑剂均匀地涂在橡胶密封圈表面以及管材和管件的插口外表面。不得将润滑剂涂到承口的橡胶圈沟槽内，禁止使用黄油或其它油类作润滑剂。
- 4、管件的承口深度减去10mm为管材的插入长度，以此长度在管材上做好标线。将管材或管件的插口插入管件承口到标线（管件插口可插到底）。插入时应保持垂直。如插入困难，可使用辅助器械。
- 5、每一个承插口不可重复承插多次，必要时可将密封圈取出校对合适后，再进行连接。

1. According to the required length to cut pipes. The end of pipe should be perpendicular to the pipe axis after cutting. Then removing fibre flock and rubbish on the edges, chamfering should be 15°~30°, and bevel thickness of the wall is about 1/2~1/3.
2. Using dry cotton cloth to clean the inside and outside of sockets, if necessary, acetone and other cleaner can be used to keep clean, without sand and water marks.
3. Check and adjust the rubber ring, we can use brush to put the lubricant evenly coated surface of the rubber ring, as well as outer surface of pipes and fittings' sockets. Lubricants can not be coated at socket rubber ring's groove, prohibit to use butter or other oils as lubricants.
4. The insertion of pipe length should get Depth of pipe fittings socket minus 10mm, then according to the length of pipe to mark line outside. Connect the pipes and fittings till standard line and should be keep vertical (fitting connector can be inserted in the end), you can use assistive devices if it difficult to insert the pipes and fittings.
5. Every socket can not repeat insert several times, if necessary, we should take out the Rubber ring to match the size then connect again.



### 与其它管道的过渡连接/Transition to connect with other pipeline

- 1、与PVC-U管的连接：可通过HTPP静音管承口部分的密封圈进行承插连接。
  - 2、与普通铸铁管的连接：先将HTPP静音管的插口外表面打毛、涂胶、粘砂、干燥后，用传统的水泥捻口的方法进行连接。
  - 3、与W型（卡箍式）柔性铸铁管的连接：采用铸铁管用的金属卡箍进行连接。
  - 4、与A型（法兰式）柔性铸铁管的连接：HTPP静音管插入A型铸铁管内，用铸铁法兰压盖和密封圈、螺栓螺母连接。
  - 5、与其它管材连接后应用固定管卡加以固定。
1. Connect with PVC-U pipe: It can through HTPP mute fittings' beiling rubber ring to connect
  2. Connect with ordinary cast iron pipe: after make the outer surface socket thre flock, glue, sticky sand and drying, use the traditional cement twist port connection method
  3. Connect with W-type (Clamp type) flexible cast iron pipe: use cast iron metal clamp to connect
  4. Connect with A-type (press type) flexible cast iron pipe: first we put HTPP mute pipes into A type of cast iron pipe and covered by cast iron flanges, then connect with rubber ring, screws and nuts.
  5. After Connected with other pipes, should be fixed by pipe clip.



## 安装 / Installation

- 1、为达到最佳静音效果，宜使用塑料管卡或带橡胶隔离垫的金属管卡。
  - 2、安装完毕的管道系统不应产生轴向应力，也不能应膨胀变形而产生径向位移。
  - 3、垂直管道安装时，管材长度及安装位置一经确定，应立即用管卡固定，防止管材在垂直方向上下滑动。
  - 4、管件或一组管件必须有一个固定支撑。
  - 5、管道水平安装时，管卡之间的距离应为管材直径的10倍；垂直安装时，根据管材的直径，控制在1~2m。
  - 6、管卡应固定在建筑物的承重结构上。
  - 7、尽量减少导致声音传播或扩散的受冲击区域，避免使用导致水流方向突变的接头，建议使用两个45°弯头与一截最小长度约为200mm的直管组合来替代一个90°弯头。
  - 8、管道穿越楼板或防火墙时必须设置阻火圈。
1. In order to achieve the best mute sound effect, can using the plastic pipe clip or metallic pipe clip with rubber isolation pads.
  2. The installation finished the pipe system, which should not have the axial stress, also not inflate distorts to displacement
  3. Vertical installs pipe, when the pipe length and the position is confirmed, should use the pipe clip to be fixed immediately in order to prevent the pipe in the vertical direction glide.
  4. The fittings must have a fixed support.
  5. Level installs pipe. The distance between the clips should be 10 times the diameter of the pipe. Vertical installs pipe. According to the pipe diameter, controls in 1-2m.
  6. The pipe clips should fix on building's load-bearing construction.
  7. Try best to Reduce the lashed zone which can cause and spread the noisy, avoid to use the union which will change the flow direction suddenly, we suggest to use two elbows 45° which can connect to a section of smallest 200MM length pipe instead of one elbow 90°.
  8. The pipe through the floor or the fire wall must establish the flame arresters laps.

## 包装、储存及运输 / Packing, storage and transportation

- 1、按相同的规格品种，管材成捆包装、管件装箱。
  - 2、管材和管件应合理堆放于室内平整的场地上，距离热源不得小于1m，不得露天存放。管材堆放高度不得超过1.5m。
  - 3、管材和管件在装卸和运输时应小心轻放、整齐排列，不得受到剧烈撞击、尖锐物品碰触，不得抛、摔、滚、拖和烈日曝晒。同车装运时严禁管材放在管件上。
1. According to the same specification variety, the pipes are packed by bundles, the fittings are packed in cartons.
  2. The pipes and the fittings should be piled up reasonably in the indoor venues, the distance from the heat source can not be less than 1 m and can't open-air depositing. The height of pipe stacking can't over 1.5m.
  3. The pipe and the fitting should be put down carefully and arranged neatly while loading and unloading and transportation. Can't struck violently and touch by the strap article. Can't throw, rolls, dragging and the hot sun insolation. When transport in the same car, forbid to put the pipes on the top of the fittings

## 工程业绩 / Projects

### 市政综合类

- 上海世博会文化中心（演艺中心）
- 上海世博会加拿大国家馆
- 上海外滩33号
- 天津新机场
- 安徽淮南市政府行政办公楼

上海高桥新城

浙江杭州中北花园

江苏常州南博湾花园住宅小区

河南焦作恒基花园住宅小区

甘肃兰州电力明珠小区

甘肃白银盛合铜城人家住宅小区

吉林长春盛世城（酒店+住宅公寓）

### 工厂、医院、学校类

上海柏密企业发展有限公司巨人科技生物中心工程

上海全国土特产综合办公大楼

吉林长白山制药有限公司

浙江宁波镇海炼化厂工程

江苏苏州新波技术有限公司工程

江苏南京康海药业有限公司工程

中国农业科学院郑州果树研究所工程

上海市崇明中心医院

上海吴泾医院

辽宁沈阳市儿童医院

江苏南京鼓楼医院

江苏南京风华中小学

江苏南京仙林小学

### 酒店类

- 上海滴水湖皇冠假日酒店
- 上海香港广场公寓大酒店
- 浙江宁波海洋之星大酒店
- 海南三亚万达六星级酒店
- 海南三亚喜来登酒店

### 住宅类

- 上海东郊半岛花园（别墅）
- 上海东苑雅集别墅

## 产品特点 Production specifications

- **优越的静音效果**  
通过高密度特殊分子结构的材料吸收声波的能量，达到静音效果。静音指标优于其它类型的管道。
- **较强的耐化学腐蚀性**  
可耐受PH2~PH12的液体排放。
- **耐高温性能好**  
维卡软化温度高达140℃以上，确保可连续排放高于90℃的热水。
- **良好的抗冲击性能**  
主体材料PP-B具有很好的抗冲击性能，确保了HTPP高温静音排水管道的抗冲击性能。
- **先进的柔性连接方法**  
拆装方便，可不受安装环境限制，降低安装费用。
- **管材自我补偿能力强**  
无须使用伸缩节，在节省管件的的同时，还可避免水流冲击的噪声向下一管段传递。
- **低碳、节能、环保**  
HTPP高温静音排水管道的原料无毒无害，避免了水质的二次污染；与传统的铸铁管相比，生产全过程碳排放更低、更节能。
- **Good for mute effect:** Our products through the high density special molecular structure material absorbs the sound wave energy and achieves the mute sound effect. Its mute indicators are better than other types of pipe.
- **Super corrosive chemical resistance:** Can endure PH2 ~ PH12 the liquid emissions.
- **The high temperature resistance:** Vicat softening temperature up to more than 140°, to ensure continuous emissions higher than 90° hot water.
- **Good impact resistance:** The main material PP-B has a good impact resistance. It ensures that the HTPP drainage system have impact resistance.
- **Advanced Flexible connectivity:** It is convenient to dismantle without the installation costs, which reduces installation costs.
- **Strong self-compensation:** It does not need to use the telescopic joint which can save fittings, in the meantime can avoid a downward voice transmission when the flow tube shocks.
- **Low-carbon, energy saving, environmental protection:** HTPP materials is healthy, safe, nontoxic and avoid cause secondary pollution of the water quality. It is compared with the traditional cast iron pipe, the entire process of production of lower carbon emissions, more energy efficient.

## 执行标准 Execution standard :

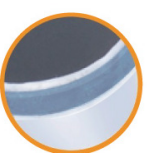
- Q/VAPW 1-2010 《建筑用聚丙烯 (HTPP) 高温静音排水管材》
- HTPP high temperature drainage pipe is used to construction
- Q/VAPW 2-2010 《建筑用聚丙烯 (HTPP) 高温静音排水管件》
- HTPP high temperature drainage pipe fitting is used to construction
- CJ/T 273-2008 《聚丙烯静音排水管材及管件》
- CJ/T273-2008 Polypropylene mute drainage pipes and fittings
- 2010 CPXY-S36总260 《聚丙烯(HTPP)高温静音排水管道系统》
- 2010 CPXY-S36 total 260 HTPP high-temperature mute drainage system

## 单层 Single layer pipes

聚丙烯 (HTPP) 高温静音排水管  
HTPP HIGH-TEMPERATURE MUTE DRAINAGE PIPES

- 规格(size): 50、75、110、125、160、200

● 外层是硬塑料保护层起到中间层结构的作用，并能管衬具有良好的耐冲击性  
Outer layer is hard to protect the middle-layer structure, and the pipes have a good impact resistance



● 中间层采用特殊的高分子弹性材料，起到隔音、减振和吸收声波的作用，具有良好的静音效果。  
Using special polymer elastomer materials in the middle-layer, no noise, reducing vibration and absorption acoustic which will have a good silent effect.

● 内层非常光滑具有良好的通过性，静音效果及高耐酸性和耐化学腐蚀性  
The inner layer is very smooth can easily through the water so it have a very good effect, high temperature resistance and super corrosive chemical resistance



## 三层 Three layer pipes

聚丙烯 (PP) 高温静音排水管  
HTPP HIGH-TEMPERATURE MUTE DRAINAGE PIPES

- 规格(size): 50、75、110、125、160

