

# ENCLOSURES – HARD, SOFT CURTAIN, PLASTIC & CUSTOM FAQ

**What STC values are available for hard enclosures?**

<b>Come 3 ways (thickness)</b>	<b>2"</b>	<b>4"</b>	<b>6"</b>
<b>Related STC Values</b>	<b>26</b>	<b>42</b>	<b>52</b>

- **STC value**
  - **Ability of an enclosure to attenuate noise from inside**
- **Hard enclosures when built properly around a machine can reduce noise to approximately 42 DB**

**How are hard enclosures manufactured?**

- **Tongue and groove construction**
- **Solid sheet metal on the outside with perforated metal on the inside**
- **Loaded with mineral wool insulation**
- **Sound dissipates inside the panel**
- **Ability to cut around electrical outlets for access to power, lighting, and other mechanical functions**
- **Seal gaps with barrier or curtain material to over any remaining openings of gaps to eliminate spaces where noise can escape Hard Enclosures come with or without doors**
- **Could come available up to 20' tall; large enough to drive a vehicle into if required**
- **Can do first and second floor enclosures**
- **Sky is the limit! Custom made to fit every application**
- **Hard Enclosures are the best on the market**

**What color options are hard enclosures available in?**

- **Hard Enclosures come in every RAC color option available**

## **SOFT ENCLOSURES**

**How are soft curtain enclosures manufactured?**

- **Barrier Backed**

# **ENCLOSURES – HARD, SOFT CURTAIN, PLASTIC & CUSTOM FAQ**

- **BB (barrier backed) rated for 350 degrees F**
  - **Barrier Septum**
  - **Has material/barrier in the middle Can be made in any custom size**
  - **Mostly used to wrap electric motors for pumps**
  - **Designed and built with using a track system for easy maneuvering and access in and out of enclosure when required**
  - **Can be used anywhere you need to attenuate noise**

**What STC values are achievable with soft enclosures?**

- **Comes with Velcro attachments**
- **20 – 25 STC**

## **ABS PLASTICS, ETC. - CUSTOM ENCLOSURES**

**What STC values are achievable with soft enclosures?**

- **26 STC or greater is possible to achieve**

**How are plastic custom enclosures manufactured?**

- **Wall mineral thickness can be 1/4" – 1"**
- **Use around small pumps/motors**
- **Made for quick access**
- **Clear plastic**
  - **Clear view panels allow someone to see inside the enclosure**
- **Made for single entity use not entire operations**
- **Plastic enclosures come in dozens of colors**

## **CUSTOM ENCLOSURES - PERFORATED SHEET METAL**

**How are custom enclosures manufactured?**

- **Perforated sheet metal in 28 gauge / 5' sheer in back**
  - **Can build around machines**
  - **STC and NRC varies**
  - **Can put barrier in middle**
- **Foam panel in middle**
- **Can be powder coated in any of the RAL colors**

# **ENCLOSURES – HARD, SOFT CURTAIN, PLASTIC & CUSTOM FAQ**

- **Can design and engineer, supply, install for all chambers/applications etc.**
  - **Can improve existing enclosures to bring up to existing rising standards**
    - **Can retrofit**