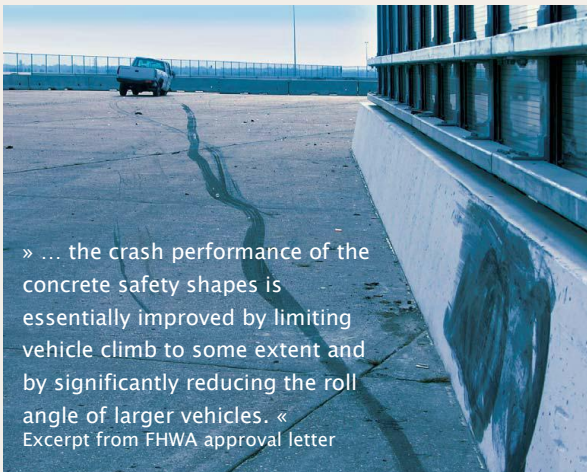


ACRYLITE® Soundstop

TL4 System

Product

- Safest Noise Barrier Wall Available – FHWA approved to NCHRP Report No. 350, Test Level 4
- Lightweight, less than 200 pounds per linear foot, reduces cost of structure
- Attractive – Maintains views of surroundings



A 4,400 lb pickup truck impacts the TL4 System at 60 mph at a 25° angle



» That is the most stable TL4 crash test I've ever seen. «
Senior FHWA Official in the Office of Safety Design



18,000 pound truck impacts the TL4 System at 50 MPH and at an angle of 15°

Damaged areas show how the ACRYLITE® Soundstop TL4 System stabilizes the vehicle and reduces the severity of the crash.

Transparent Noise Barriers

- Complete turnkey Crash Tested Noise Barrier solution, meets requirements of AASHTO LRFD Bridge Design Manual
- Approved for use on the National Highway System by the FHWA
- Meets NCHRP 350 level 4 crash test conditions
- Light weight, <200 lbs per linear foot
- Incorporates ACRYLITE® Soundstop GS CC noise barrier panels with integrated fragment retention, meeting international standards, e. g. EN 1794
- Excellent sound insulating properties
- Transparent for visibility and light transmission
- Durable, maintenance free panels retain clarity and physical strength despite decades of exposure to sunlight and the elements (ASTM D 1003 & D 4812 test methods)

Thickness	Sheet Size	Remarks
15,20,25	2500 mm x 2000 mm	Use with post spacing up to 8'*, wall height up to 6'-7" above the parapet
	3300 mm x 2500 mm	Use with post spacing up to 8'*, wall height up to 10'-10" above the parapet
	5000 mm x 2300 mm	Use with post spacing up to 8'*, wall height up to a maximum of 16' high
	3000 mm x 2000 mm	Use with post spacing up to 7', wall height up to 9'-10" above the parapet
	4200 mm x 2000 mm	Use with post spacing up to 7', wall height up to a maximum of 16' high
	5000 mm x 2000 mm	Use with post spacing up to 7', wall height up to a maximum of 16' high
		*maximum post spacing for the ACRYLITE® Soundstop TL4 System is 8 feet (2438mm)

Colors



ACRYLITE® Soundstop GS CC has embedded polyamide filaments to contain broken fragments resulting from collision damage. This complies with EN 1794-2.

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Fire Precautions

ACRYLITE® sheet is a combustible thermoplastic. Precautions should be taken to protect this material from flames and high heat sources. ACRYLITE® sheet usually burns rapidly to completion if not extinguished. The products of combustion, if sufficient air is present, are carbon dioxide and water. However, in many fires sufficient air will not be available and toxic carbon monoxide will be formed, as it will when other common combustible materials are burned. We urge good judgement in the use of this versatile material and recommend that building codes be followed carefully to assure it is used properly.

Compatibility

Like other plastic materials, ACRYLITE® sheet is subject to crazing, cracking or discoloration if brought into contact with incompatible materials. These materials may include cleaners, polishes, adhesives, sealants, gasketing or packaging materials, cutting emulsions, etc. See the Tech Briefs in this series for more information, or contact your ACRYLITE® sheet Distributor for information on a specific product.

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