



Background

Making the switch from metal to plastic in commercial pipe applications can result in a longer system life, higher corrosion resistance, lower installation and maintenance costs, and safer welding options. A contractor in charge of a boiler water discharge to a lagoon in Oklahoma needed an alternative to steel pipe and, therefore, decided to make the switch from metal to plastic. They decided on Asahi/America's Asahitec[™] PP-RCT because of the material advantages, inventory availability, welding tools, training, and resources provided by Asahi/America and its distributor.

Problem

After talking with the contractor, Asahi/America and its distributor

quickly saw an opportunity to present Asahitec[™] PP-RCT. The contractor was looking for an alternative to steel, given the recent rise in steel prices, and concern over project turnaround time.

Solution

Asahitec[™] was the recommended choice. Because Asahi/America's distributor had a strong Asahitec[™] stocking position, 98 percent of the material shipped directly and quickly to the project site. The distributor also supplied both socket and butt fusion tools for on-site welding. Additionally, the contractor asked Asahi/America and its distributor to fabricate a few laterals and provide on-site training to accelerate the installation process. Overall, Asahi/America's value added services resulted in a very satisfied customer.

The customer said, "I appreciate [Asahi/America] for coming out to train us on the different polypropylene applications that our company sees on a daily basis. We are looking forward to implementing this new way of plumbing into every project possible. The time involved in welding Asahitec[™] is so much faster than welding black pipe, and Asahitec[™] seems to be very durable and should last a lifetime."



Asahitec™ PP-RCT Piping

The complete PP-RCT system

- Socket fusion from 20-125 mm (1/2"-5")
- Molded butt fusion from 160-630mm (6"-24")
- NSF 14-pw certified for potable water applications
- Lead-free brass adapter fittings

Molded butt fittings up to 630mm (24")

- Provides full pressure rating over fabrication fittings
- Molded fittings help with space constraints
- Cost effective

Wide range of valves

- Ball, butterfly, check, and more

Asahitec™ Advantage

- Custom fabrication options - lateral wyes, manifolds, and large spool pieces
- Cost efficient - lower shipping costs and shorter weld time compared to steel saves labor costs
- Lightweight - quick and safe installation
- Large selection of welding tools for rent or purchase
- On-site weld training opportunities

Welding methods



Applications

- Potable water
- HVAC - hot and chilled water
- Hydronics
- Sports stadiums and arenas, commercial buildings, residential buildings, institutional buildings, schools and universities, government buildings, hospitals, hotels and apartments

PP-RCT Plumbing and HVAC Piping Systems

Asahi/America, in partnership with Bänninger of Germany, presents Asahitec™ PP-RCT piping systems to the North American market.

PP-RCT is the latest advancement in polypropylene polymers and has a wide range of benefits for commercial plumbing and HVAC systems. It has a more complex crystalline structure than conventional PP materials, which provides greater pressure capabilities at higher temperatures.