

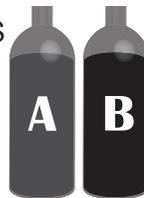
# 4 Areas That Need to be **DEFINED** for Meter Mix

There are many instances where a meter mix system is the right choice as a dispense solution. While the vast array of possibilities may seem hard to define, getting answers to the four areas below will help start the process of creating a solution in a reasonable time frame.

Define part **A** and **B MATERIALS**. This requires calling the material manufacturer to obtain information and discuss properties such as:

# 1

- a. Viscosity
- b. Specific Gravity (or density)
- c. Base chemistry (silicone, urethane, epoxy, etc.)
- d. Identify any filler materials
- e. Identify any special properties such as shear thinning or thickening
- f. Provide technical data sheet and MSDS



Define the **RATIO** and **TARGET ACCURACY** of the meter mix application. For example:

# 2

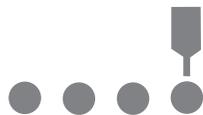
- a. A ratio of 10:1 +/- 10% translates to an acceptable range from 9:1 to 11:1. Is this an acceptable range for your process?\*



Define the **PRODUCTION RATE**. This is typically expressed through the items below:

# 3

- a. Shot size with accuracy
  - i. Accuracy Example (10gram shot +/- 10%)\*
- b. Flow rate with accuracy
  - i. Accuracy Example (100grams/minute +/- 10%)\*



Define the **SUPPLY SYSTEM**, this is driven by answers to the above 3 areas.

# 4

- a. What are the available material container sizes?
  - i. Which size does the customer intend to use?
  - ii. Does this size make sense with the production rate?
- b. Based on material properties, ratio, production rate, and accuracy requirements the supply system can be selected.

By **DEFINING** these **4** areas at the front end of a project, an appropriate meter mix system can be developed and quoted rapidly. With better information at the outset of a project, more accurate processes, cost estimates and production time frames can be provided.

*\*Numbers provided are examples for the purpose of this document. Based on your process needs, your numbers may differ.*

